

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED  
OMB No. 1004-0137  
Expires July 31, 2010

1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-74872
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name NA
2. Name of Operator Newfield Production Company		7. If Unit or CA Agreement, Name and No. Sundance
3a. Address Route #3 Box 3630, Myton UT 84052		8. Lease Name and Well No. Sundance Federal F-33-8-18
3b. Phone No. (include area code) (435) 646-3721		9. API Well No. 43-047-40414
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface SW/NW 1792' FNL 878' FWL At proposed prod. zone 1245' FNL 100' FWL NW NW		10. Field and Pool, or Exploratory Monument Butte East of 6 Plats north
14. Distance in miles and direction from nearest town or post office* Approximately 20.6 miles southeast of Myton, UT		11. Sec., T. R. M. or Blk. and Survey or Area Sec. 33, T8S R18E 540
15. Distance from proposed* location to nearest property or lease line, ft. Approx. 100' f/lse, 1245' f/unit (Also to nearest drig. unit line, if any)	16. No. of acres in lease 637.36	17. Spacing Unit dedicated to this well 20 Acres
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1326'	19. Proposed Depth 6,300'	20. BLM/BIA Bond No. on file WYB000493
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 4967' GL	22. Approximate date work will start* 1st Qtr. 2009	23. Estimated duration (7) days from SPUD to rig release

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, must be attached to this form:

- |  |   |
|--|---|
| 1. Well plat certified by a registered surveyor.   | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan.  | 5. Operator certification   |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the BLM.             |

25. Signature <i>Mandie Crozier</i>	Name (Printed/Typed) Mandie Crozier	Date 11/14/08
Title Regulatory Specialist		
Approved by (Signature) <i>Bradley G. Hill</i>	Name (Printed/Typed) BRADLEY G. HILL	Date 11-24-08
Title Office ENVIRONMENTAL MANAGER		

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 2)

\*(Instructions on page 2)

Surf

593451X

44366564

40.076882

-109.904015

BHLC

593212X

44368214

40.078398

-109.906793

Federal Approval of this  
Action is Necessary

RECEIVED

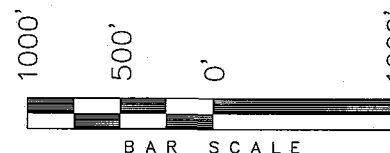
NOV 19 2008

DIV. OF OIL, GAS & MINING

**T8S, R18E, S.L.B.&M.**

**NEWFIELD PRODUCTION COMPANY**

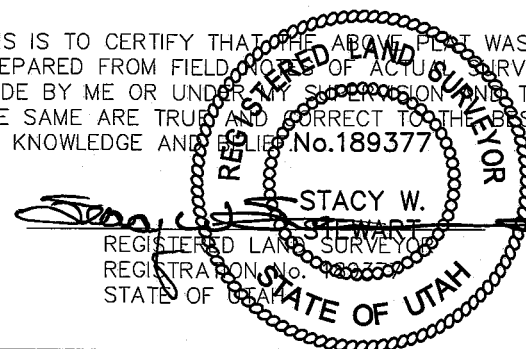
WELL LOCATION, SUNDANCE F-33-8-18,  
LOCATED AS SHOWN IN THE SW 1/4 NW  
1/4 OF SECTION 33, T8S, R18E,  
S.L.B.&M. UTAH COUNTY, UTAH.



**Note:**

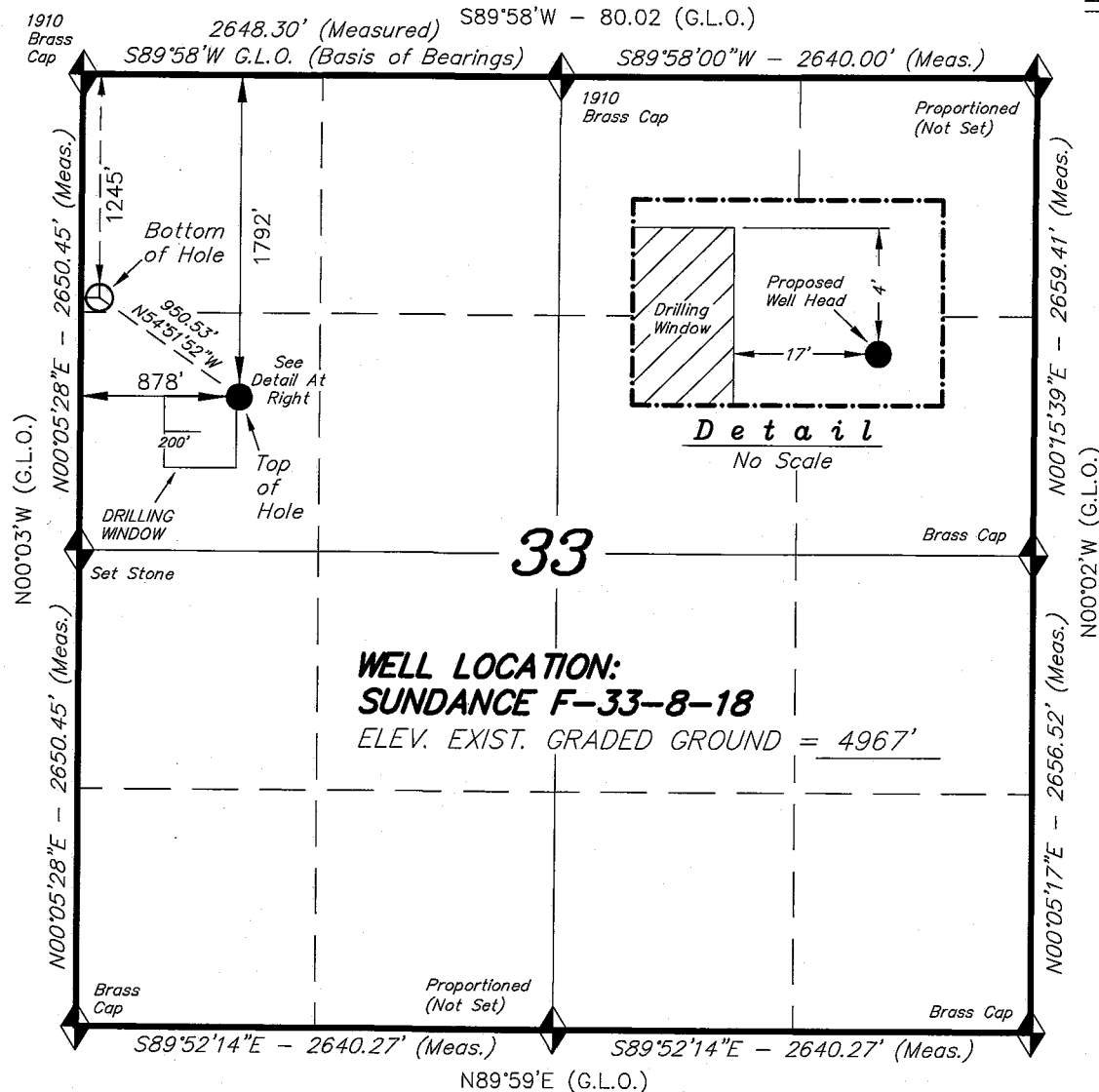
1. The bottom of hole footages are  
1245' FNL & 100' FWL.

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
MADE BY ME OR UNDER MY SUPERVISION AND THAT  
THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
MY KNOWLEDGE AND BELIEF. No. 189377



**TRI STATE LAND SURVEYING & CONSULTING**  
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
(435) 781-2501

DATE SURVEYED: 08-26-08	SURVEYED BY: T.H.
DATE DRAWN: 09-11-08	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'



◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min  
QUAD (PARIETTE DRAW SW)

**SUNDANCE F-33-8-18**  
(Surface Location) NAD 83  
LATITUDE = 40° 04' 36.44"  
LONGITUDE = 109° 54' 17.26"

**NEWFIELD PRODUCTION COMPANY  
SUNDANCE FEDERAL F-33-8-18  
AT SURFACE: SW/NW SECTION 33, T8S, R18E  
UINTAH COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

**DRILLING PROGRAM**

**1. GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

**2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:**

Uinta	0' – 1639'
Green River	1639'
Wasatch	6300'

**3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:**

Green River Formation 1639' – 6300' - Oil

**4. PROPOSED CASING PROGRAM**

Please refer to the Monument Butte Field Standard Operation Procedure (SOP).

**5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:**

Please refer to the Monument Butte Field SOP. See Exhibit "C".

**6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:**

Please refer to the Monument Butte Field SOP.

**7. AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Please refer to the Monument Butte Field SOP.

**8. TESTING, LOGGING AND CORING PROGRAMS:**

Please refer to the Monument Butte Field SOP.

**9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

The anticipated maximum bottom hole pressure is 1800 psi. It is not anticipated that abnormal temperatures will be encountered.

**10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

Please refer to the Monument Butte Field SOP.

**NEWFIELD PRODUCTION COMPANY  
SUNDANCE FEDERAL F-33-8-18  
AT SURFACE: SW/NW SECTION 33, T8S, R18E  
UINTAH COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

**MULTI-POINT SURFACE USE & OPERATIONS PLAN**

**1. EXISTING ROADS**

See attached Topographic Map "A"

To reach Newfield Production Company well location site Sundance Federal F-33-8-18 located in the SW 1/4 NW 1/4 Section 33, T8S, R18E, Uintah County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.4 miles  $\pm$  to the junction of this highway and UT State Hwy 53; proceed southeasterly - 11.6 miles  $\pm$  to it's junction with an existing dirt road to the north; proceed northeasterly - 3.2 miles  $\pm$  to it's junction with an existing dirt road to the east; proceed southeasterly - 3.6 miles  $\pm$  to it's junction with an existing road to the northwest; proceed - 0.8 miles  $\pm$  to the existing Federal 5-33-8-18 well lcoation.

**2. PLANNED ACCESS ROAD**

There is no proposed access road for this location. The proposed well will be drilled directionally off of the existing Federal 5-33-8-18 well pad. See attached Topographic Map "B".

**3. LOCATION OF EXISTING WELLS**

Refer to Exhibit "B".

**4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

The proposed well will be drilled directionally off of the Federal 5-33-8-18 well pad. There will be a pumping unit and a short flow line added to the tank battery for the proposed Sundance Federal F-33-8-18. All permanent surface equipment will be painted Carlsbad Canyon.

Please refer to the Monument Butte Field Standard Operating Procedure (SOP).

**5. LOCATION AND TYPE OF WATER SUPPLY**

Newfield Production will transport water by truck for drilling purposes from the following water sources:

Johnson Water District  
Water Right : 43-7478

Neil Moon Pond  
Water Right: 43-11787

Maurice Harvey Pond  
Water Right: 47-1358

Newfield Collector Well  
Water Right: 41-3530 (A30414DV, contracted with the Duchesne County Conservancy District).



Please refer to the Monument Butte Field SOP. See Exhibit "A".

6. **SOURCE OF CONSTRUCTION MATERIALS**

The proposed Sundance Federal F-33-8-18 will be drilled off of the existing Federal 5-33-8-18 well pad. No additional surface disturbance will be required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

Please refer to the Monument Butte Field SOP.

8. **ANCILLARY FACILITIES**

Please refer to the Monument Butte Field SOP.

9. **WELL SITE LAYOUT**

See attached Location Layout Diagram.

10. **PLANS FOR RESTORATION OF SURFACE**

Please refer to the Monument Butte Field SOP.

11. **SURFACE OWNERSHIP** - Bureau Of Land Management (Proposed location and access roads leading to).

12. **OTHER ADDITIONAL INFORMATION**

**Water Disposal**

Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E), State of Utah approved surface disposal facilities, or Federally approved surface disposal facilities.

**Threatened, Endangered, And Other Sensitive Species**

None for the proposed Sundance Federal F-33-8-18.

**Reserve Pit Liner**

A 16 mil liner with felt is required. Please refer to the Monument Butte Field SOP.

**Location and Reserve Pit Reclamation**

Please refer to the Monument Butte Field SOP.

The following seed mixture will be used on the topsoil stockpile, to the recontoured surface of the reserve pit, and for final reclamation: (All poundages are in pure live seed)

Squirrell Tail	<i>Elymus Elymoides</i>	6 lbs/acre
Siberian Wheatgrass	<i>Agropyron Fragile</i>	2 lbs/acre
Gardner Saltbush	<i>Atriplex Gardneri</i>	1 lbs/acre
Shadscale	<i>Atriplex Confertifolia</i>	1 lbs/acre
Fourwing Saltbush	<i>Atriplex Canescens</i>	1 lbs/acre
Scarlet Globemallow	<i>Sphaeralcea Conccinea</i>	0.20 lbs/acre

**Details of the On-Site Inspection**

The proposed Sundance Federal F-33-8-18 was on-sited on 9/24/08. The following were present; Kevan Stevens (Newfield Production ), Brandon McDonald (Bureau of Land Management), Dave Gordon (Bureau of Land Management ), and James Herford (Bureau of Land Management). Weather conditions were clear and ground cover was 100% open.

**LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION****Representative**

Name: Dave Allred  
Address: Route #3 Box 3630  
Myton, UT 84052  
Telephone: (435) 646-3721

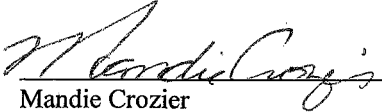
**Certification**

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #F-33-8-18 SW/NW Section 33, Township 8S, Range 18E: Lease UTU-74872 Uintah County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by, Federal Bond #WYB000493.

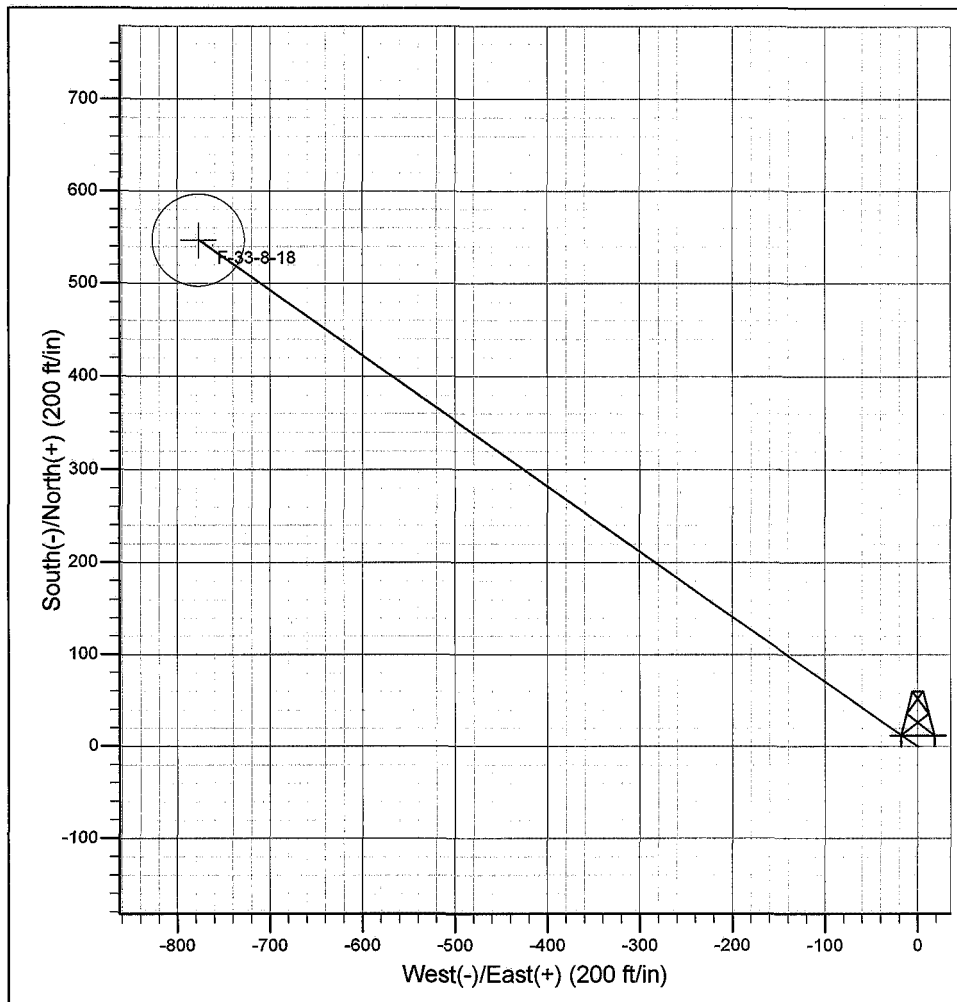
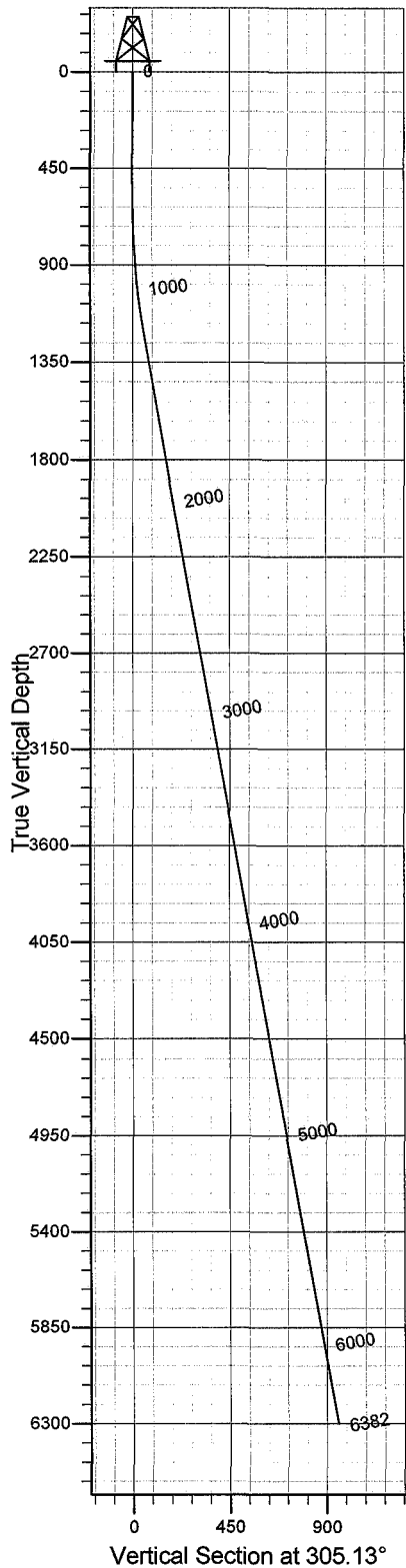
I hereby certify that the proposed drill site and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

11/14/08

Date

  
Mandie Crozier  
Regulatory Specialist  
Newfield Production Company

**Project:** Monument Butte  
**Site:** Sundance F-33-8-18  
**Well:** Sundance F-33-8-18  
**Wellbore:** Wellbore #1  
**Design:** Design #1



### SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0	
3	1269.9	10.05	305.13	1266.5	33.7	-47.9	1.50	305.13	58.6	
4	6381.8	10.05	305.13	6300.0	547.0	-777.4	0.00	0.00	950.5	F-33-8-18

### PROJECT DETAILS: Monument Butte

Geodetic System: US State Plane 1983  
 Datum: North American Datum 1983  
 Ellipsoid: GRS 1980  
 Zone: Utah Central Zone  
 System Datum: Mean Sea Level



Azimuths to True North  
 Magnetic North: 11.57°

Magnetic Field  
 Strength: 52599.1snT  
 Dip Angle: 65.93°  
 Date: 11/5/2008  
 Model: IGRF200510

Created by: Hans Wychgram

Date: 11-05-2008

**Newfield Exploration**  
 Planning Report

**Database:** EDM 2003.21 Single User Db  
**Company:** Newfield Production Company  
**Project:** Monument Butte  
**Site:** Sundance F-33-8-18  
**Well:** Sundance F-33-8-18  
**Wellbore:** Wellbore #1  
**Design:** Design #1

**Local Co-ordinate Reference:** Well Sundance F-33-8-18  
**TVD Reference:** RKB @ 4979.0ft (NDSI #2)  
**MD Reference:** RKB @ 4979.0ft (NDSI #2)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

<b>Project</b>	Monument Butte		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Utah Central Zone		

<b>Site</b>	Sundance F-33-8-18			
<b>Site Position:</b>		<b>Northing:</b>	2,194,770.04 m	<b>Latitude:</b> 40° 4' 36.440 N
<b>From:</b>	Lat/Long	<b>Easting:</b>	636,048.27 m	<b>Longitude:</b> 109° 54' 17.260 W
<b>Position Uncertainty:</b>	0.0 ft	<b>Slot Radius:</b>	in	<b>Grid Convergence:</b> 1.02 °

<b>Well</b>	Sundance F-33-8-18			
<b>Well Position</b>	<b>+N/-S</b>	0.0 ft	<b>Northing:</b>	2,194,770.04 m
	<b>+E/-W</b>	0.0 ft	<b>Easting:</b>	636,048.27 m
<b>Position Uncertainty</b>		0.0 ft	<b>Wellhead Elevation:</b>	ft
			<b>Ground Level:</b>	4,967.0 ft

<b>Wellbore</b>	Wellbore #1				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF200510	11/5/2008	11.57	65.93	52,599

<b>Design</b>	Design #1			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PROTOTYPE	<b>Tie On Depth:</b>	0.0
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>
	0.0	0.0	0.0	305.13

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Bulld Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,269.9	10.05	305.13	1,266.5	33.7	-47.9	1.50	1.50	0.00	305.13	
6,381.8	10.05	305.13	6,300.0	547.0	-777.4	0.00	0.00	0.00	0.00	F-33-8-18

**Database:** EDM 2003.21 Single User Db  
**Company:** Newfield Production Company  
**Project:** Monument Butte  
**Site:** Sundance F-33-8-18  
**Well:** Sundance F-33-8-18  
**Wellbore:** Wellbore #1  
**Design:** Design #1

**Local Co-ordinate Reference:** Well Sundance F-33-8-18  
**TVD Reference:** RKB @ 4979.0ft (NDSI #2)  
**MD Reference:** RKB @ 4979.0ft (NDSI #2)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

**Planned Survey**

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	1.50	305.13	700.0	0.8	-1.1	1.3	1.50	1.50	0.00
800.0	3.00	305.13	799.9	3.0	-4.3	5.2	1.50	1.50	0.00
900.0	4.50	305.13	899.7	6.8	-9.6	11.8	1.50	1.50	0.00
1,000.0	6.00	305.13	999.3	12.0	-17.1	20.9	1.50	1.50	0.00
1,100.0	7.50	305.13	1,098.6	18.8	-26.7	32.7	1.50	1.50	0.00
1,200.0	9.00	305.13	1,197.5	27.1	-38.5	47.0	1.50	1.50	0.00
1,269.9	10.05	305.13	1,266.5	33.7	-47.9	58.6	1.50	1.50	0.00
1,300.0	10.05	305.13	1,296.1	36.7	-52.2	63.8	0.00	0.00	0.00
1,400.0	10.05	305.13	1,394.6	46.8	-66.5	81.3	0.00	0.00	0.00
1,500.0	10.05	305.13	1,493.0	56.8	-80.8	98.7	0.00	0.00	0.00
1,600.0	10.05	305.13	1,591.5	66.9	-95.0	116.2	0.00	0.00	0.00
1,700.0	10.05	305.13	1,690.0	76.9	-109.3	133.6	0.00	0.00	0.00
1,800.0	10.05	305.13	1,788.4	86.9	-123.6	151.1	0.00	0.00	0.00
1,900.0	10.05	305.13	1,886.9	97.0	-137.8	168.5	0.00	0.00	0.00
2,000.0	10.05	305.13	1,985.4	107.0	-152.1	186.0	0.00	0.00	0.00
2,100.0	10.05	305.13	2,083.8	117.1	-166.4	203.4	0.00	0.00	0.00
2,200.0	10.05	305.13	2,182.3	127.1	-180.6	220.9	0.00	0.00	0.00
2,300.0	10.05	305.13	2,280.8	137.1	-194.9	238.3	0.00	0.00	0.00
2,400.0	10.05	305.13	2,379.2	147.2	-209.2	255.8	0.00	0.00	0.00
2,500.0	10.05	305.13	2,477.7	157.2	-223.5	273.2	0.00	0.00	0.00
2,600.0	10.05	305.13	2,576.2	167.3	-237.7	290.7	0.00	0.00	0.00
2,700.0	10.05	305.13	2,674.6	177.3	-252.0	308.1	0.00	0.00	0.00
2,800.0	10.05	305.13	2,773.1	187.3	-266.3	325.6	0.00	0.00	0.00
2,900.0	10.05	305.13	2,871.6	197.4	-280.5	343.0	0.00	0.00	0.00
3,000.0	10.05	305.13	2,970.0	207.4	-294.8	360.5	0.00	0.00	0.00
3,100.0	10.05	305.13	3,068.5	217.5	-309.1	377.9	0.00	0.00	0.00
3,200.0	10.05	305.13	3,167.0	227.5	-323.3	395.4	0.00	0.00	0.00
3,300.0	10.05	305.13	3,265.4	237.5	-337.6	412.8	0.00	0.00	0.00
3,400.0	10.05	305.13	3,363.9	247.6	-351.9	430.3	0.00	0.00	0.00
3,500.0	10.05	305.13	3,462.4	257.6	-366.2	447.7	0.00	0.00	0.00
3,600.0	10.05	305.13	3,560.8	267.7	-380.4	465.2	0.00	0.00	0.00
3,700.0	10.05	305.13	3,659.3	277.7	-394.7	482.6	0.00	0.00	0.00
3,800.0	10.05	305.13	3,757.8	287.7	-409.0	500.0	0.00	0.00	0.00
3,900.0	10.05	305.13	3,856.2	297.8	-423.2	517.5	0.00	0.00	0.00
4,000.0	10.05	305.13	3,954.7	307.8	-437.5	534.9	0.00	0.00	0.00
4,100.0	10.05	305.13	4,053.2	317.9	-451.8	552.4	0.00	0.00	0.00
4,200.0	10.05	305.13	4,151.6	327.9	-466.0	569.8	0.00	0.00	0.00
4,300.0	10.05	305.13	4,250.1	337.9	-480.3	587.3	0.00	0.00	0.00
4,400.0	10.05	305.13	4,348.6	348.0	-494.6	604.7	0.00	0.00	0.00
4,500.0	10.05	305.13	4,447.0	358.0	-508.9	622.2	0.00	0.00	0.00
4,600.0	10.05	305.13	4,545.5	368.1	-523.1	639.6	0.00	0.00	0.00
4,700.0	10.05	305.13	4,644.0	378.1	-537.4	657.1	0.00	0.00	0.00
4,800.0	10.05	305.13	4,742.4	388.1	-551.7	674.5	0.00	0.00	0.00
4,900.0	10.05	305.13	4,840.9	398.2	-565.9	692.0	0.00	0.00	0.00
5,000.0	10.05	305.13	4,939.4	408.2	-580.2	709.4	0.00	0.00	0.00
5,100.0	10.05	305.13	5,037.8	418.3	-594.5	726.9	0.00	0.00	0.00
5,200.0	10.05	305.13	5,136.3	428.3	-608.7	744.3	0.00	0.00	0.00

# Newfield Exploration

## Planning Report

**Database:** EDM 2003.21 Single User Db  
**Company:** Newfield Production Company  
**Project:** Monument Butte  
**Site:** Sundance F-33-8-18  
**Well:** Sundance F-33-8-18  
**Wellbore:** Wellbore #1  
**Design:** Design #1

**Local Co-ordinate Reference:** Well Sundance F-33-8-18  
**TVD Reference:** RKB @ 4979.0ft (NDSI #2)  
**MD Reference:** RKB @ 4979.0ft (NDSI #2)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

### Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,300.0	10.05	305.13	5,234.8	438.3	-623.0	761.8	0.00	0.00	0.00
5,400.0	10.05	305.13	5,333.2	448.4	-637.3	779.2	0.00	0.00	0.00
5,500.0	10.05	305.13	5,431.7	458.4	-651.6	796.7	0.00	0.00	0.00
5,600.0	10.05	305.13	5,530.1	468.5	-665.8	814.1	0.00	0.00	0.00
5,700.0	10.05	305.13	5,628.6	478.5	-680.1	831.6	0.00	0.00	0.00
5,800.0	10.05	305.13	5,727.1	488.5	-694.4	849.0	0.00	0.00	0.00
5,900.0	10.05	305.13	5,825.5	498.6	-708.6	866.5	0.00	0.00	0.00
6,000.0	10.05	305.13	5,924.0	508.6	-722.9	883.9	0.00	0.00	0.00
6,100.0	10.05	305.13	6,022.5	518.7	-737.2	901.4	0.00	0.00	0.00
6,200.0	10.05	305.13	6,120.9	528.7	-751.4	918.8	0.00	0.00	0.00
6,300.0	10.05	305.13	6,219.4	538.7	-765.7	936.2	0.00	0.00	0.00
6,381.8	10.05	305.13	6,300.0	547.0	-777.4	950.5	0.00	0.00	0.00

# NEWFIELD PRODUCTION COMPANY

## WELL PAD INTERFERENCE PLAT

SUNDANCE F-33-8-18 (Proposed Well)

SUNDANCE 5-33-8-18 (Existing Well)

Pad Location: SWNW Section 33, T8S, R18E, S.L.B.&M.



Existing  
Stock Pile

### TOP HOLE FOOTAGES

F-33-8-18 (PROPOSED)  
1792' FNL & 878' FWL

Existing Access

N54°51'52"W - 950.53'  
(To Bottom Hole)  
S58°37'42"E

Future Pit

F-33-8-18 (PROPOSED)  
5-33-8-18 (EXISTING)

Pump  
Jack

Boiler

Existing  
Tanks

### BOTTOM HOLE FOOTAGES

F-33-8-18 (PROPOSED)  
1245' FNL & 100' FWL

Existing Access

Edge of  
Existing Pad

#### Note:

Bearings are based  
on GLO Information.

### RELATIVE COORDINATES From top hole to bottom hole

WELL	NORTH	EAST
F-33-8-18	547'	-777'

### LATITUDE & LONGITUDE Surface position of Wells (NAD 83)

WELL	LATITUDE	LONGITUDE
F-33-8-18	40° 04' 36.44"	109° 54' 17.26"
5-33-8-18	40° 04' 36.49"	109° 54' 16.99"

SURVEYED BY: T.H. DATE SURVEYED: 08-26-08  
DRAWN BY: F.T.M. DATE DRAWN: 09-11-08  
SCALE: 1" = 50' REVISED:

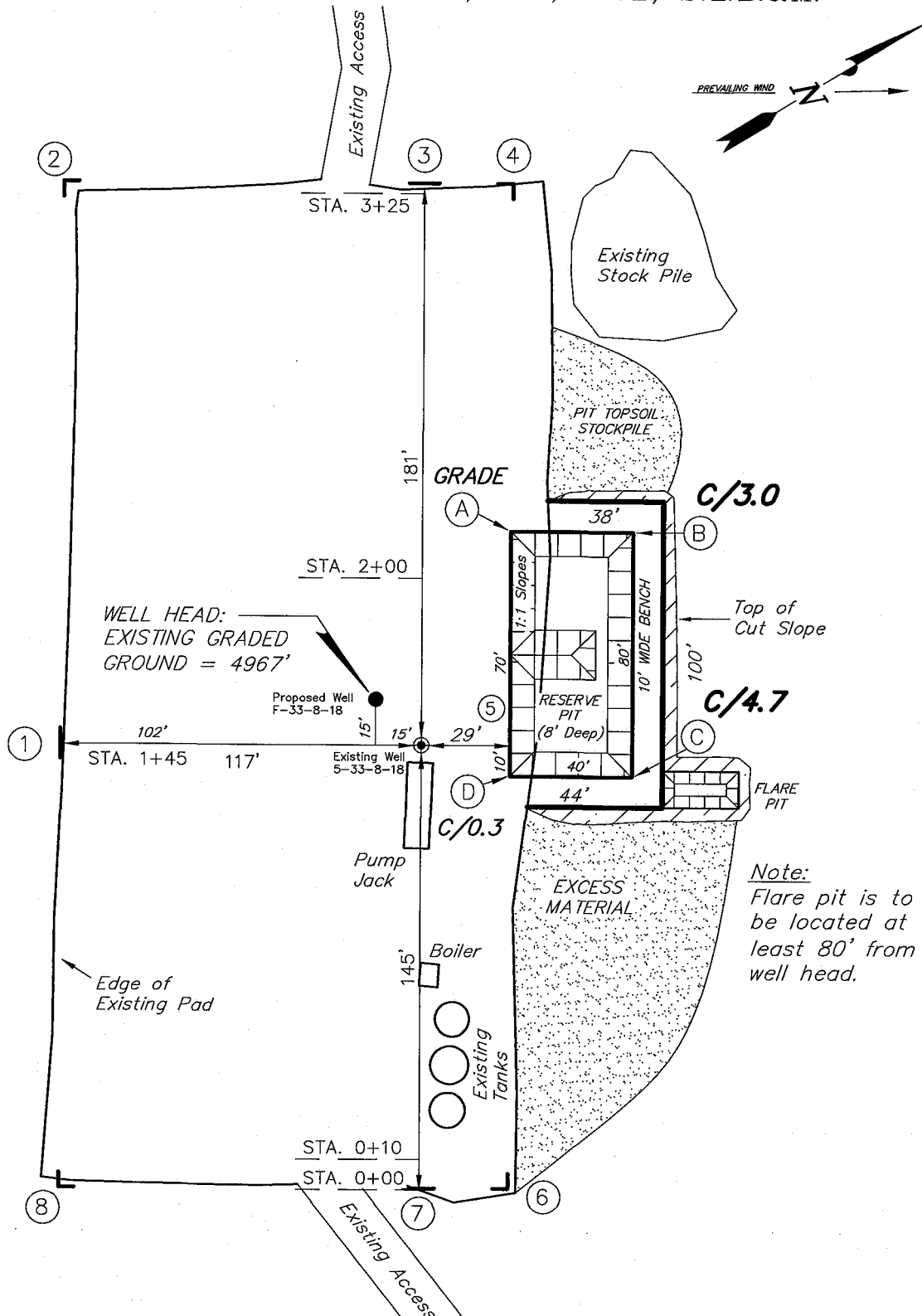
**Tri State**  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078  
(435) 781-2501

# NEWFIELD PRODUCTION COMPANY

SUNDANCE F-33-8-18 (Proposed Well)

SUNDANCE 5-33-8-18 (Existing Well)

Pad Location: SWNW Section 33, T8S, R18E, S.L.B.&M.



SURVEYED BY: T.H.

DATE SURVEYED: 08-26-08

DRAWN BY: F.T.M.

DATE DRAWN: 09-11-08

SCALE: 1" = 50'

REVISED:

Tri State  
Land Surveying, Inc.

(435) 781-2501

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

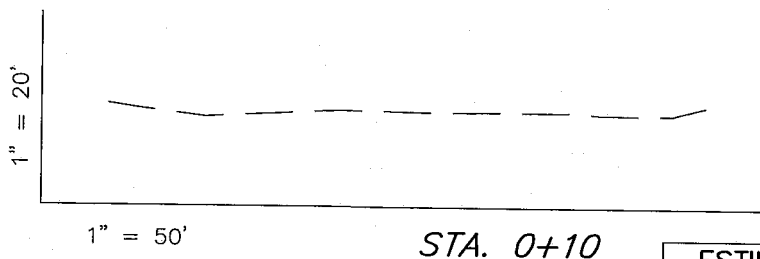
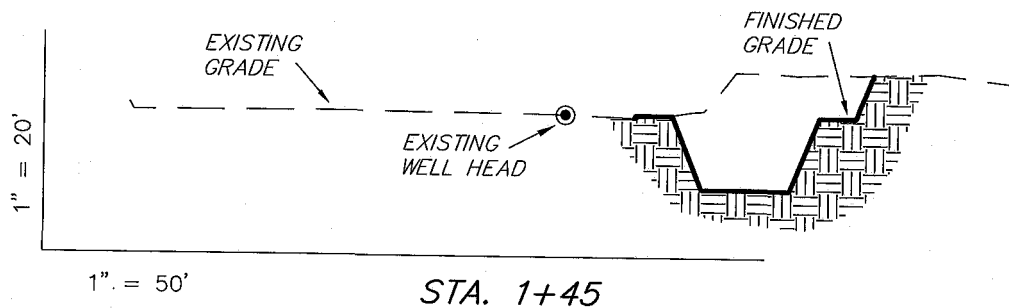
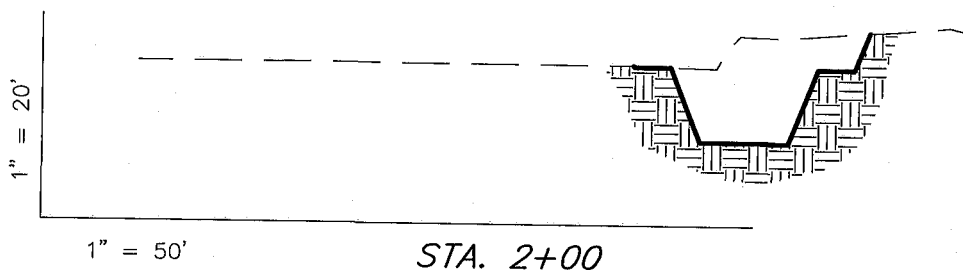
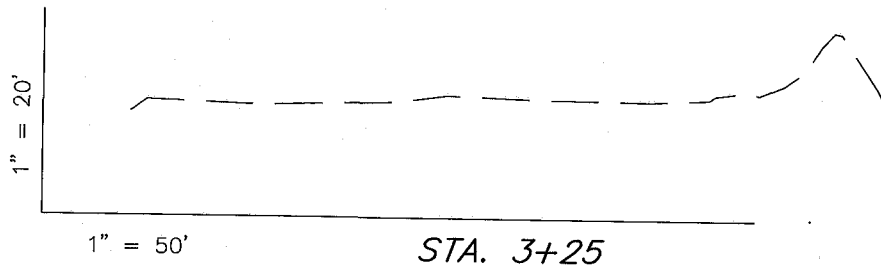


# NEWFIELD PRODUCTION COMPANY

## CROSS SECTIONS

SUNDANCE F-33-8-18 (Proposed Well)

SUNDANCE 5-33-8-18 (Existing Well)



NOTE:  
UNLESS OTHERWISE NOTED  
CUT SLOPES ARE AT 1:1  
FILL SLOPES ARE AT 1.5:1

ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)				
ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	680	0	Topsoil is not included in Pad Cut	680
PIT	640	0		640
TOTALS	1,320	0	140	1,320

SURVEYED BY: T.H.	DATE SURVEYED: 08-26-08
DRAWN BY: F.T.M.	DATE DRAWN: 09-11-08
SCALE: 1" = 50'	REVISED:

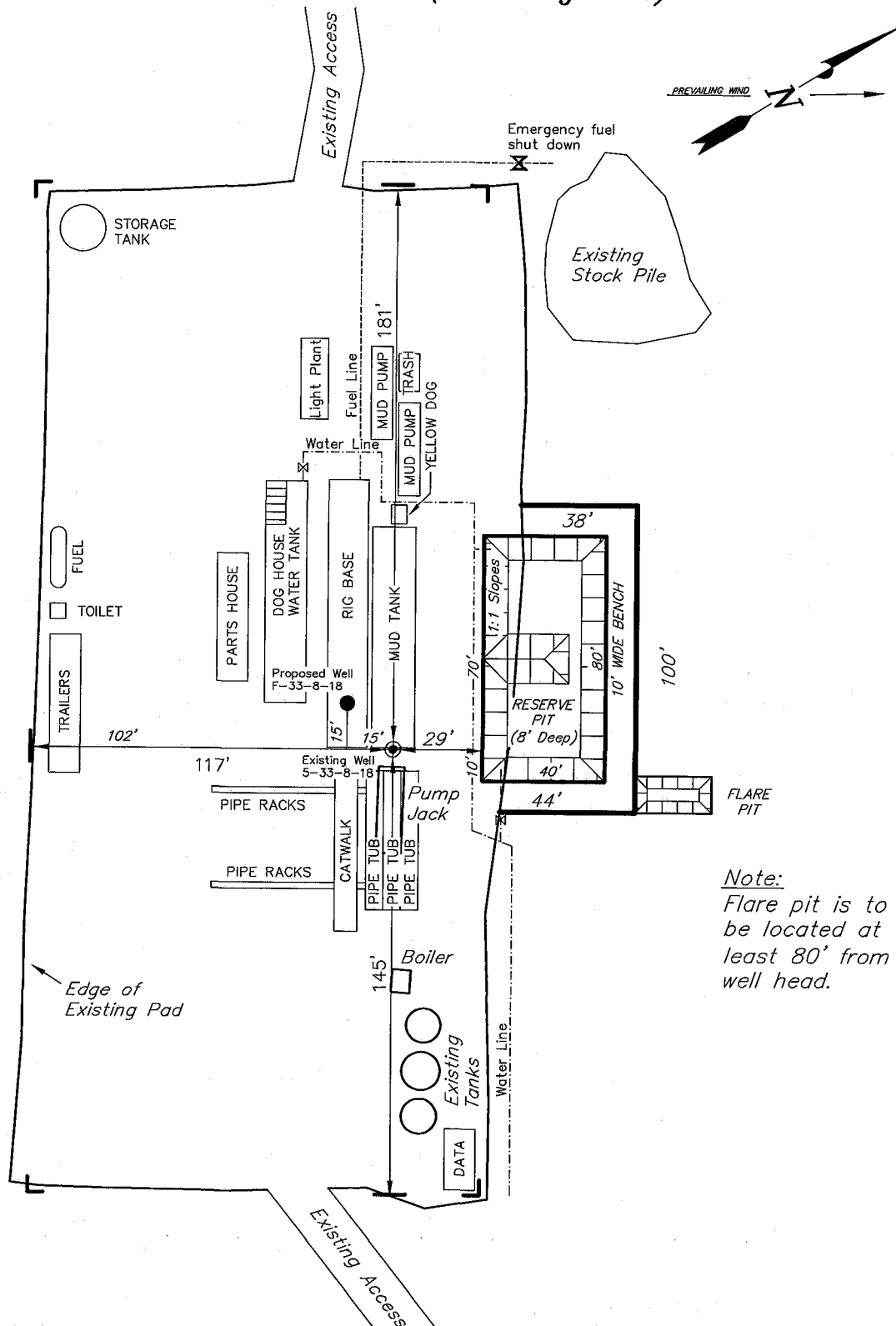
**Tri State**  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078  
(435) 781-2501

# NEWFIELD PRODUCTION COMPANY

## TYPICAL RIG LAYOUT

SUNDANCE F-33-8-18 (Proposed Well)

SUNDANCE 5-33-8-18 (Existing Well)



Note:  
Flare pit is to  
be located at  
least 80' from  
well head.

SURVEYED BY: T.H.	DATE SURVEYED: 08-26-08
DRAWN BY: F.T.M.	DATE DRAWN: 09-11-08
SCALE: 1" = 50'	REVISED:

**Tri State**  
Land Surveying, Inc.

(435) 781-2501

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

# Newfield Production Company

## Proposed Site Facility Diagram

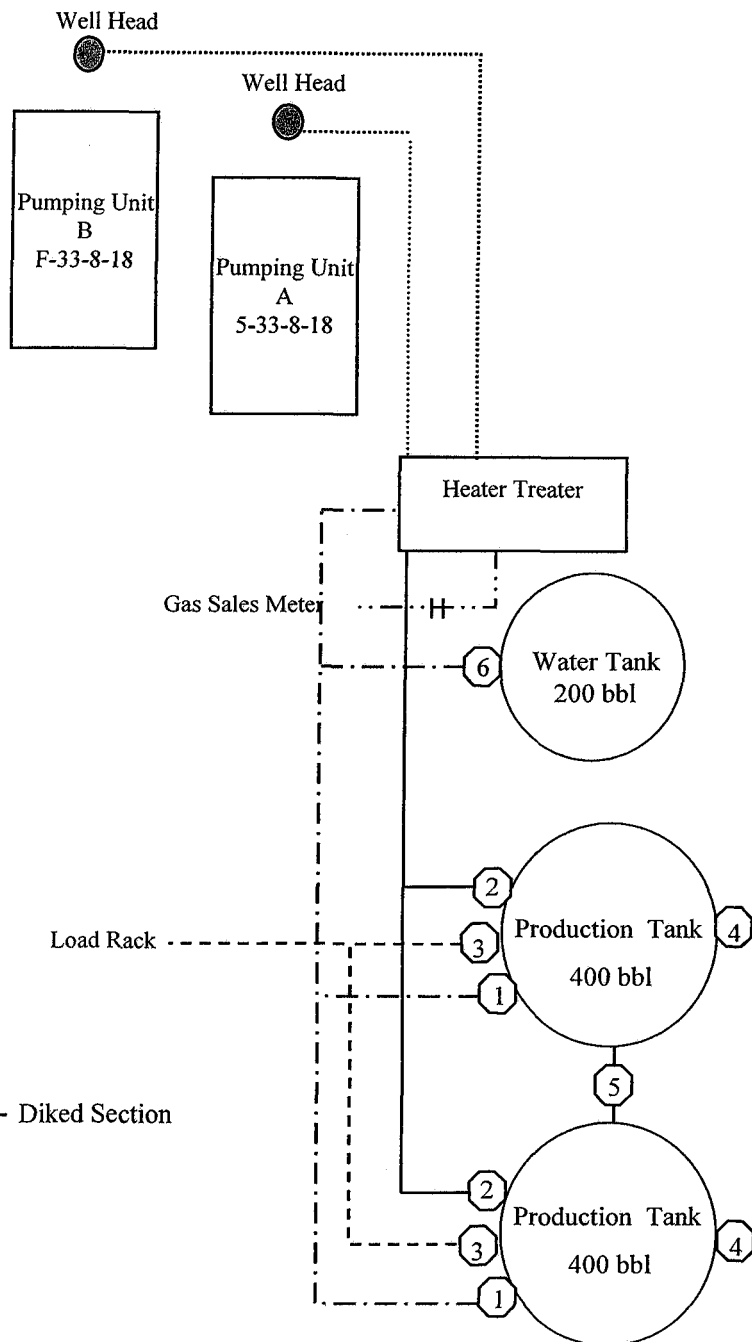
Sundance Federal F-33-8-18

From the 5-33-8-18 Location

SW/NW Sec. 33 T8S, R18E

Uintah County, Utah

UTU-74872



Site Security Plan is held at the Pleasant Valley Office, Duchesne County, Utah

### Production Phase:

- 1) Valves 1, 3, and 4 sealed closed
- 2) Valves 2, 5, and 6 sealed open

### Sales Phase:

- 1) Valves 1, 2, 4, 5, and 6 sealed closed
- 2) Valve 3 open

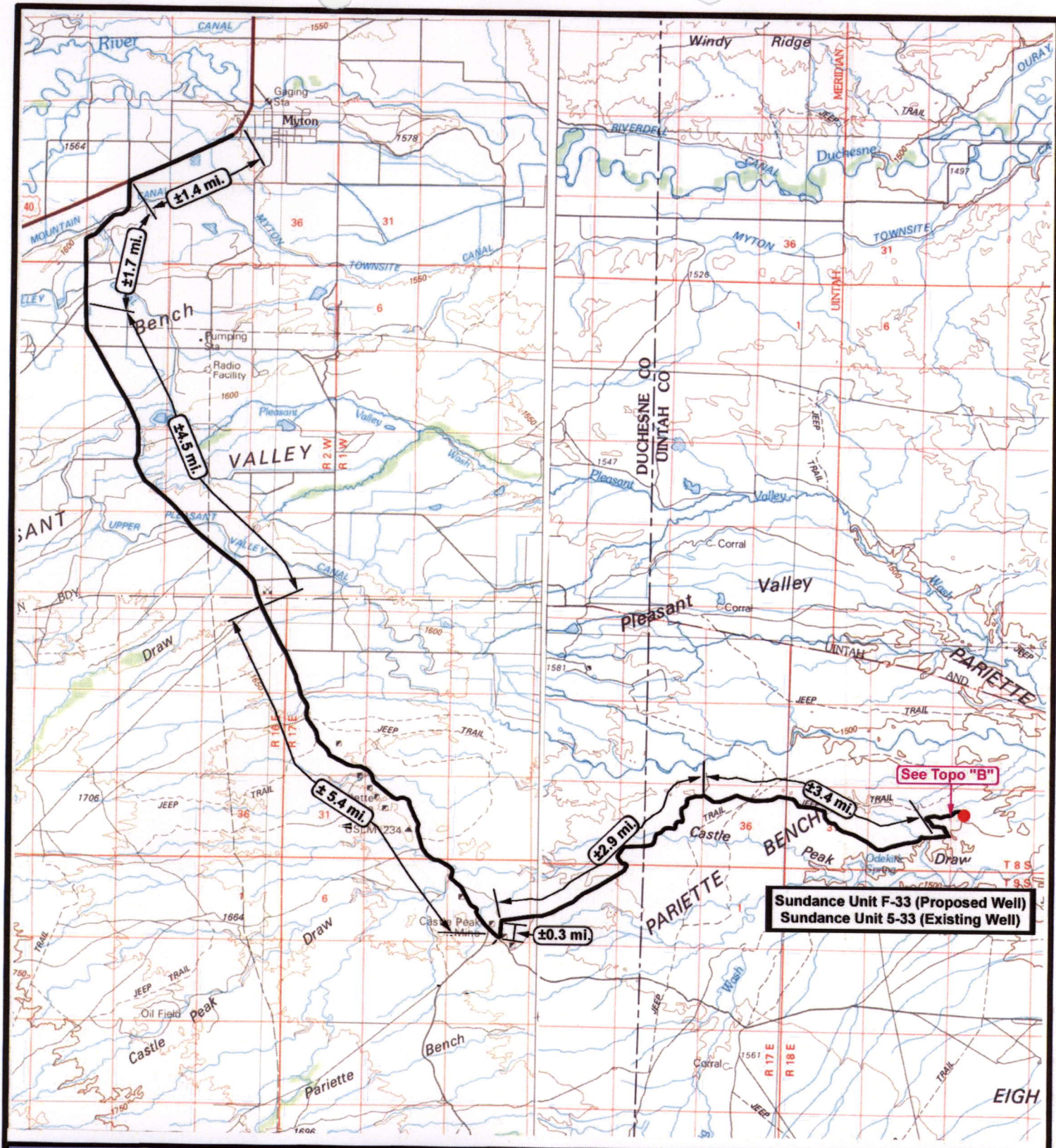
### Draining Phase:


- 1) Valves 1 and 6 open

### Legend

Emulsion Line	.....
Load Rack	-----
Water Line	- - - - -
Gas Sales	.....
Oil Line	—————








**NEWFIELD**  
Exploration Company

**Sundance Unit F-33-8-18 (Proposed Well)**  
**Sundance Unit 5-33-8-18 (Existing Well)**  
 Pad Location: SWNW Sec. 33, T8S, R18E, S.L.B.&M.



**Tri-State**  
Land Surveying Inc.  
 (435) 781-2501  
 180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1 = 100,000  
 DRAWN BY: JAS  
 DATE: 09-16-2008

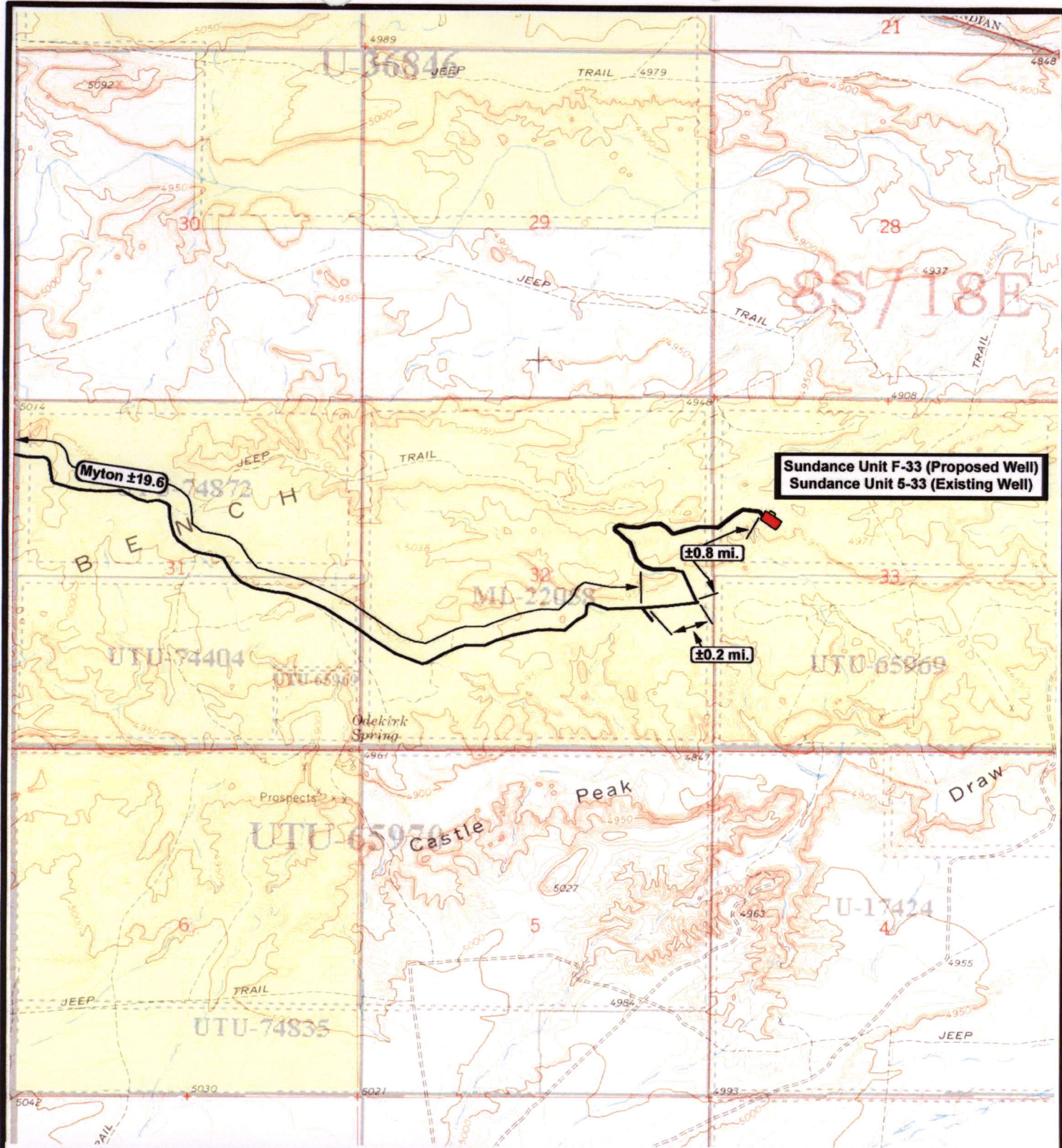
**Legend**

— Existing Road  
 — Proposed Access

TOPOGRAPHIC MAP

"A"







**NEWFIELD**  
Exploration Company

**Sundance Unit F-33-8-18 (Proposed Well)**  
**Sundance Unit 5-33-8-18 (Existing Well)**  
 Pad Location: SWNW Sec. 33, T8S, R18E, S.L.B.&M.



**Tri-State**  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2000'  
 DRAWN BY: JAS  
 DATE: 09-16-2008

**Legend**

— Existing Road

TOPOGRAPHIC MAP

"B"





**Sundance Unit F-33 (Proposed Well)**  
**Sundance Unit 5-33 (Existing Well)**

**Existing Gas Pipeline**



**NEWFIELD**  
Exploration Company

**Sundance Unit F-33-8-18 (Proposed Well)**  
**Sundance Unit 5-33-8-18 (Existing Well)**  
 Pad Location: SWNW Sec. 33, T8S, R18E, S.L.B.&M.



**Tri-State**  
Land Surveying Inc.  
 (435) 781-2501  
 180 North Vernal Ave. Vernal, Utah 84078

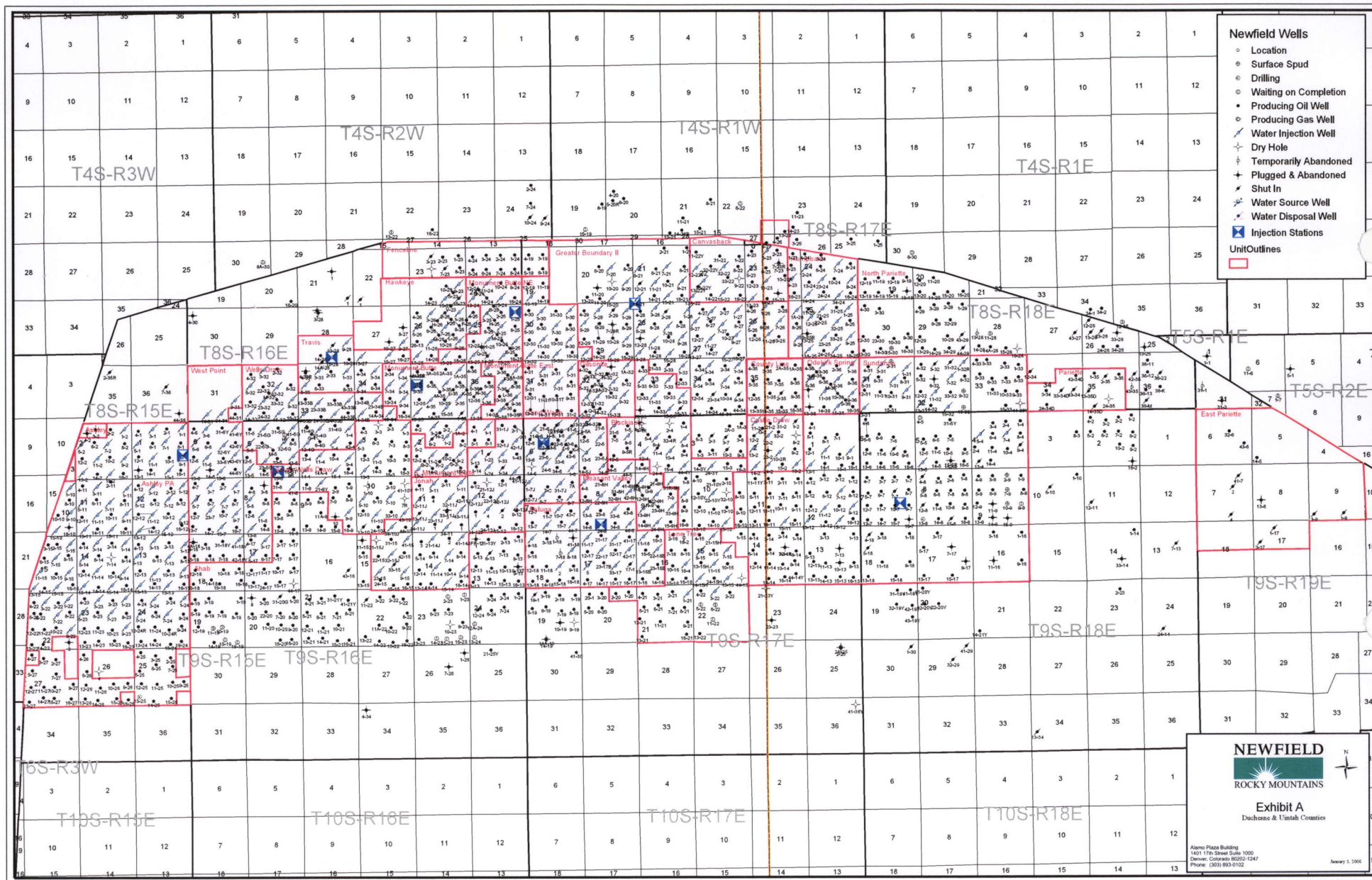
SCALE: 1" = 2000'  
 DRAWN BY: JAS  
 DATE: 09-16-2008

**Legend**

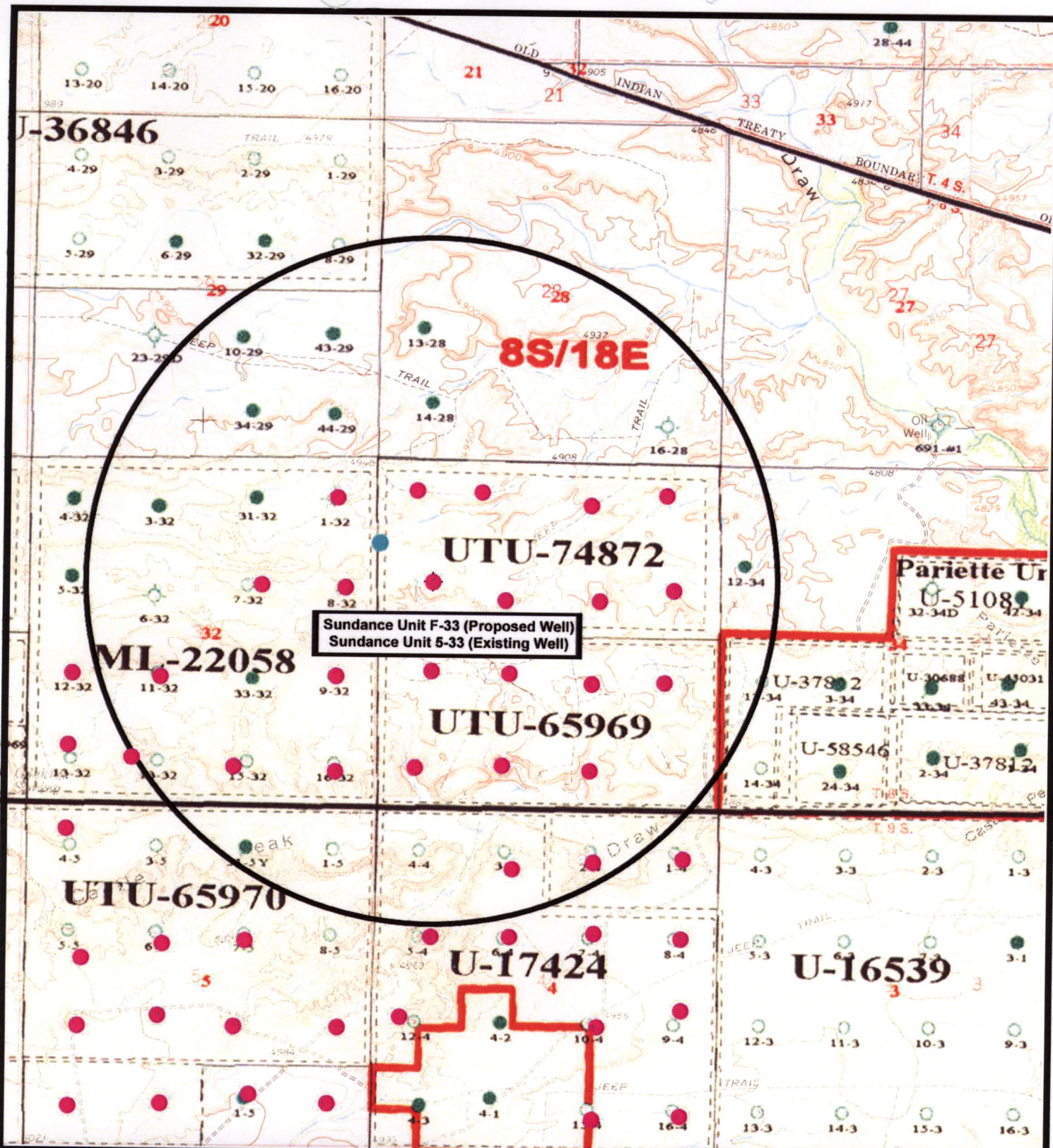
Existing Road


TOPOGRAPHIC MAP  
**"C"**











**NEWFIELD**  
Exploration Company

---

**Sundance Unit F-33-8-18 (Proposed Well)**  
**Sundance Unit 5-33-8-18 (Existing Well)**  
 Pad Location: SWNW Sec. 33, T8S, R18E, S.L.B.&M.



**Tri-State**  
Land Surveying Inc.  
 (435) 781-2501  
 180 North Vernal Ave. Vernal, Utah 84078

---

SCALE: 1" = 2,000'  
 DRAWN BY: JAS  
 DATE: 09-16-2008

**Legend**

- Pad Location
- Bottom Hole Location
- One-Mile Radius

---

**Exhibit "B"**



# 2-M SYSTEM

Blowout Prevention Equipment Systems

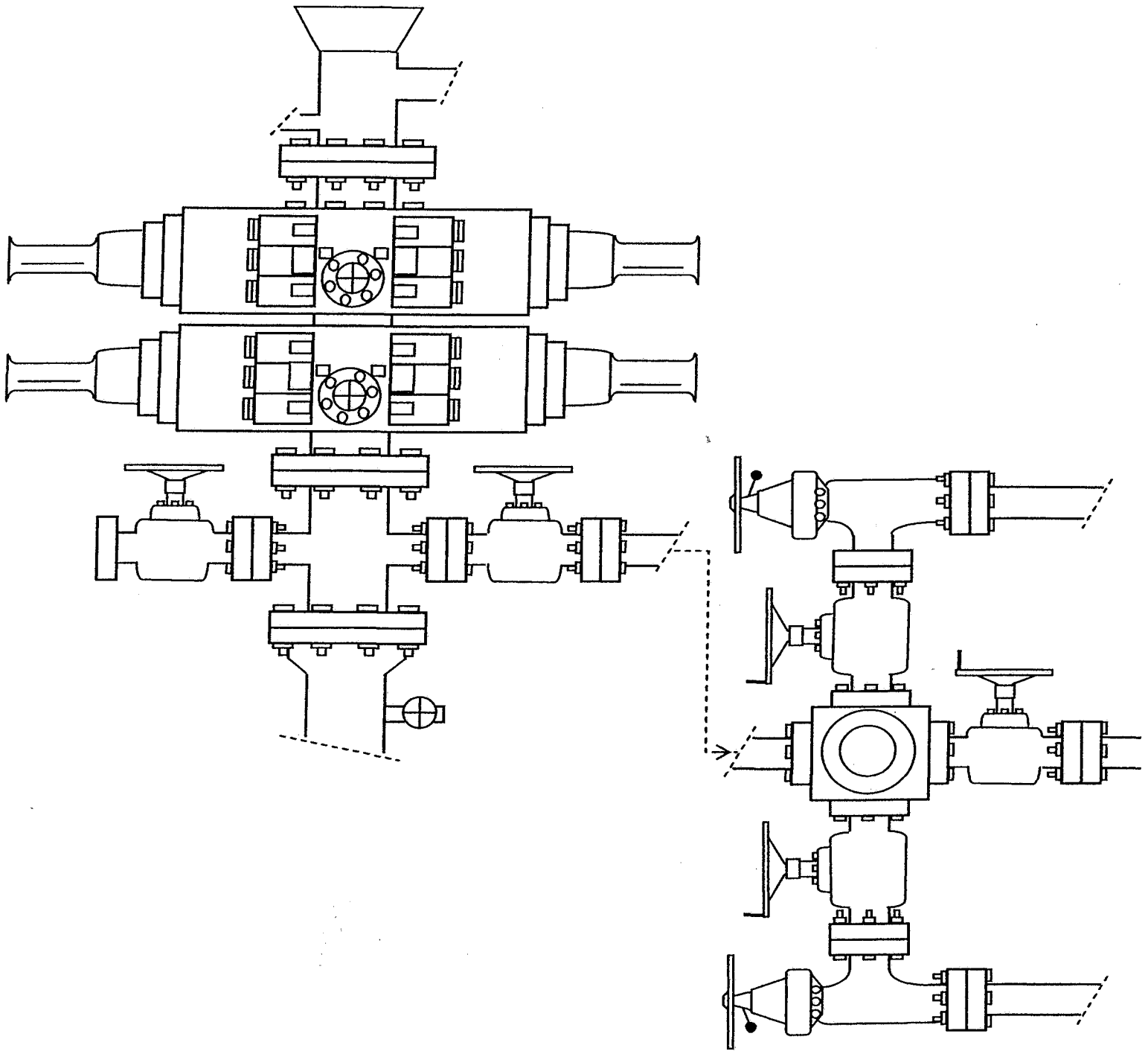


EXHIBIT C

**WORKSHEET**  
**APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 11/19/2008

API NO. ASSIGNED: 43-047-40414

WELL NAME: SUNDANCE FED F-33-8-18

OPERATOR: NEWFIELD PRODUCTION ( N2695 )

CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

SWNW 33 080S 180E

SURFACE: 1792 FNL 0878 FWL

BOTTOM: 1245 FNL 0100 FWL

COUNTY: UINTAH

LATITUDE: 40.07688 LONGITUDE: -109.9040

UTM SURF EASTINGS: 593451 NORTHINGS: 4436656

FIELD NAME: 8 MILE FLAT NORTH ( 590 )

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-74872

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: GRRV

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

☒ Plat  
☒ Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. WYB000493 )  
☒ Potash (Y/N)  
☒ Oil Shale 190-5 (B) or 190-3 or 190-13  
☒ Water Permit  
(No. 43-7478 )  
☒ RDCC Review (Y/N)  
(Date: \_\_\_\_\_ )  
☒ Fee Surf Agreement (Y/N)  
☒ Intent to Commingle (Y/N)

LOCATION AND SITING:

       R649-2-3.  
Unit: SUNDANCE (GRRV)  
       R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells  
       R649-3-3. Exception  
☒ Drilling Unit  
Board Cause No: 228-08  
Eff Date: 6-15-05  
Siting: Suspend General Siting  
☒ R649-3-11. Directional Drill

COMMENTS:

*Sep, Separate file*

STIPULATIONS:

*Indep Approval*









November 17, 2008

State of Utah, Division of Oil, Gas and Mining  
ATTN: Diana Mason  
PO Box 145801  
Salt Lake City, UT 84114-5801

RE: Directional Drilling  
**Sundance Federal F-33-8-18**  
Sundance Unit  
UTU-82472X  
Surface Hole: T8S R18E, Section 33: SWNW  
1792' FNL 878' FWL  
Bottom Hole: T8S R18E, Section 33  
1245' FNL 100' FWL  
Uintah County, Utah

Dear Ms. Mason;

Pursuant to the filing of Newfield Production Company's ("NPC") Application for Permit to Drill dated November 14, 2008, a copy of which is attached, for the above referenced well, and in accordance with Oil and Gas Conservation Rule R649-3-11, NPC hereby submits this letter as notice of our intention to directionally drill this well.

The surface hole location and bottom hole location of this well are both within the boundaries of the Sundance Unit UTU-82472X. Newfield certifies that it is the Sundance Unit Operator and all lands within 460 feet of the entire directional well bore are within the Sundance Unit.

NPC is permitting this well as a directional well in order to minimize surface disturbance. By directionally drilling from the referenced surface location, NPC will be able to utilize the existing roads and pipelines in this area.

NPC hereby requests our application for permit to drill be granted pursuant to R649-3-11. If you have any questions or require further information, please do not hesitate to contact the undersigned at 303-382-4444 or by email at [reveland@newfield.com](mailto:reveland@newfield.com). Your consideration of this matter is greatly appreciated.

Sincerely,

A handwritten signature in cursive script that reads "Roxann Eveland".

Roxann Eveland  
Land Associate

RECEIVED  
NOV 20 2008  
DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
**APPLICATION FOR PERMIT TO DRILL OR REENTER**

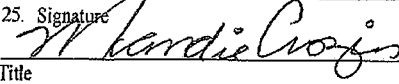
FORM APPROVED  
OMB No. 1004-0137  
Expires July 31, 2010

1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-74872
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name NA
2. Name of Operator Newfield Production Company		7. If Unit or CA Agreement, Name and No. Sundance
3a. Address Route #3 Box 3630, Myton UT 84052		8. Lease Name and Well No. Sundance Federal F-33-8-18
3b. Phone No. (include area code) (435) 646-3721		9. API Well No.
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface SW/NW 1792' FNL 878' FWL At proposed prod. zone 1245' FNL 100' FWL		10. Field and Pool, or Exploratory Monument Butte
14. Distance in miles and direction from nearest town or post office* Approximately 20.6 miles southeast of Myton, UT		11. Sec., T. R. M. or Blk. and Survey or Area Sec. 33, T8S R18E
15. Distance from proposed* location to nearest property or lease line, ft. Approx. 100' f/lse, 1245' f/unit (Also to nearest drig. unit line, if any)	16. No. of acres in lease 637.36	17. Spacing Unit dedicated to this well 20 Acres
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1326'	19. Proposed Depth 6,300'	20. BLM/BIA Bond No. on file WYB000493
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 4967' GL	22. Approximate date work will start* 1st Qtr. 2009	23. Estimated duration (7) days from SPUD to rig release

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, must be attached to this form:

- |  |   |
|--|---|
| 1. Well plat certified by a registered surveyor.   | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan.  | 5. Operator certification   |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the BLM.             |

25. Signature 	Name (Printed/Typed) Mandie Crozier	Date 11/14/08
Title Regulatory Specialist		
Approved by (Signature)	Name (Printed/Typed)	Date
Title	Office	

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 2)

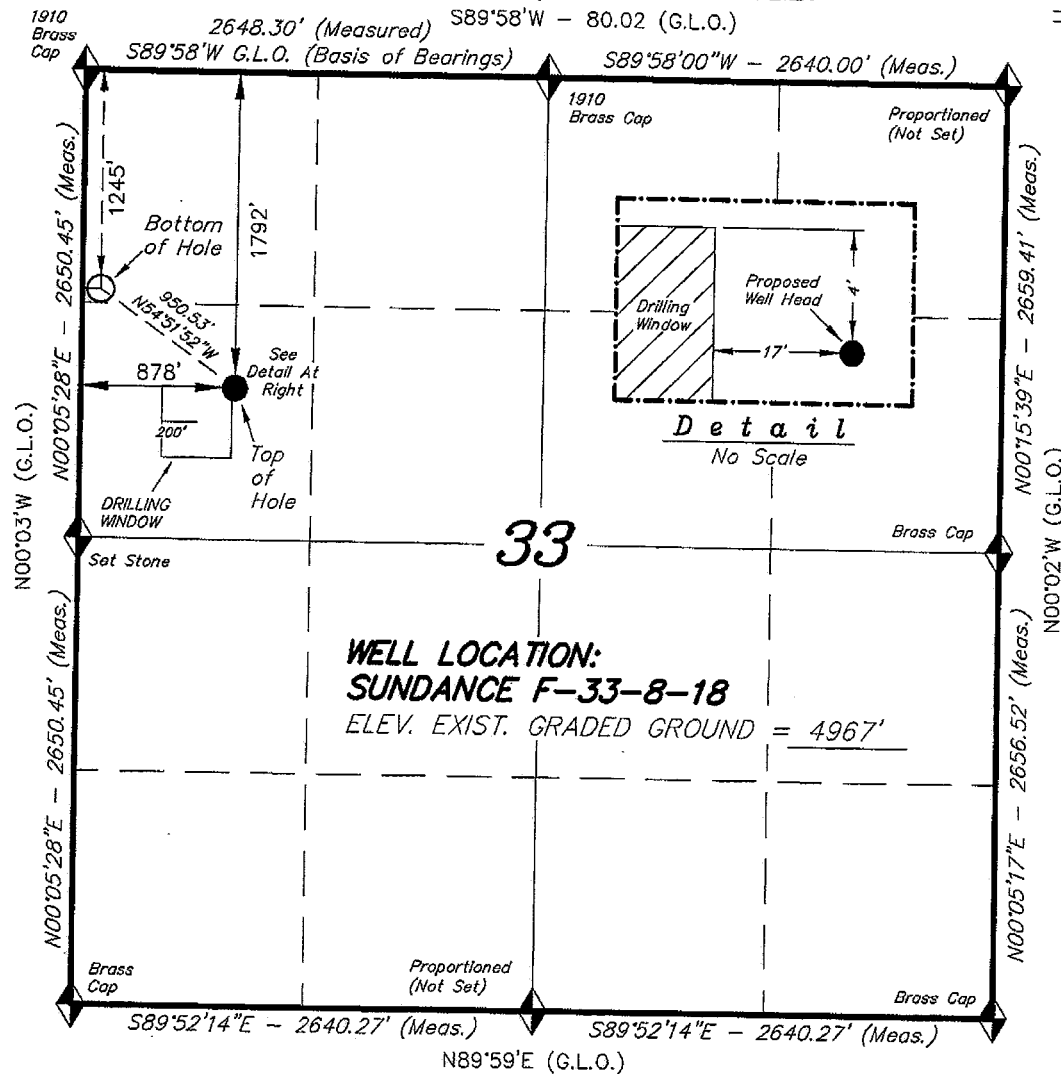
\*(Instructions on page 2)

RECEIVED  
NOV 20 2008  
DIV. OF OIL, GAS & MINING

# T8S, R18E, S.L.B.&M.

## NEWFIELD PRODUCTION COMPANY

WELL LOCATION, SUNDANCE F-33-8-18,  
LOCATED AS SHOWN IN THE SW 1/4 NW  
1/4 OF SECTION 33, T8S, R18E,  
S.L.B.&M. UTAH COUNTY, UTAH.



◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min  
QUAD (PARIETTE DRAW SW)

SUNDANCE F-33-8-18  
(Surface Location) NAD 83  
LATITUDE = 40° 04' 36.44"  
LONGITUDE = 109° 54' 17.26"

TRI STATE LAND SURVEYING & CONSULTING  
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
(435) 781-2501

DATE SURVEYED: 08-26-08	SURVEYED BY: T.H.
DATE DRAWN: 09-11-08	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'

# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:  
3160  
(UT-922)

November 21, 2008

### Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2008 Plan of Development Sundance Unit, Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2008 within the Sundance Unit, Uintah County, Utah.

API#	WELL NAME	LOCATION
(Proposed PZ Green River)		
43-047-40414	Sundance Fed F-33-8-18 Sec 33 T08S R18E 1792 FNL 0878 FWL	BHL Sec 33 T08S R18E 1245 FNL 0100 FWL
43-047-40415	Sundance Fed Q-11-9-17 Sec 11 T09S R17E 0735 FSL 1989 FWL	BHL Sec 11 T09S R17E 1330 FSL 1305 FWL
43-013-34143	Sundance Fed K-10-9-17 Sec 11 T09S R17E 1998 FSL 0677 FWL	BHL Sec 10 T09S R17E 2660 FNL 0070 FEL
43-013-34144	Sundance Fed P-11-9-17 Sec 11 T09S R17E 0679 FSL 0672 FWL	BHL Sec 11 T09S R17E 1280 FSL 0040 FWL

We have no objections to permitting the wells so long as the unit operator receives an exception to the locating and siting requirements of the State of Utah (R649-3-2).

/s/ Michael L. Coulthard

bcc: File – Sundance Unit  
Division of Oil Gas and Mining  
Central Files  
Agr. Sec. Chron  
Fluid Chron



JON M. HUNTSMAN, JR.  
Governor

GARY R. HERBERT  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

November 24, 2008

Newfield Production Company  
Rt. #3, Box 3630  
Myton, UT 84052

Re: Sundance Federal F-33-8-18 Well, Surface Location 1792' FNL, 878' FWL, SW NW,  
Sec. 33, T. 8 South, R. 18 East, Bottom Location 1245' FNL, 100' FWL, NW NW,  
Sec. 33, T. 8 South, R. 18 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-40414.

Sincerely,

Gil Hunt  
Associate Director

pab  
Enclosures

cc: Uintah County Assessor  
Bureau of Land Management, Vernal Field Office





Operator: Newfield Production Company  
Well Name & Number Sundance Federal F-33-8-18  
API Number: 43-047-40414  
Lease: UTU-74872

Surface Location: SW NW      Sec. 33      T. 8 South      R. 18 East  
Bottom Location: NW NW      Sec. 33      T. 8 South      R. 18 East

### Conditions of Approval

#### 1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

#### 2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284

Notify the Division prior to commencing operations to plug and abandon the well.

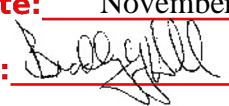
- Contact Dustin Doucet at (801) 538-5281      (801) 733-0983 home

#### 3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

5. In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-74872
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b> SUNDANCE (GRRV)
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052		<b>8. WELL NAME and NUMBER:</b> SUNDANCE FED F-33-8-18
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1792 FNL 0878 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWNW Section: 33 Township: 08.0S Range: 18.0E Meridian: S		<b>9. API NUMBER:</b> 43047404140000
<b>PHONE NUMBER:</b> 435 646-4825 Ext		<b>9. FIELD and POOL or WILDCAT:</b> 8 MILE FLAT NORTH
<b>COUNTY:</b> UINTAH		<b>STATE:</b> UTAH
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 11/23/2009  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"> <input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION         </div> <div style="width: 33%;"> <input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER         </div> <div style="width: 33%;"> <input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input checked="" type="checkbox"/> APD EXTENSION            OTHER:         </div> </div>	
<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b> Newfield requests to extend the permit to drill this well for one more year.		
<b>Approved by the Utah Division of Oil, Gas and Mining</b>		
<b>Date:</b> November 24, 2009		
<b>By:</b> 		
<b>NAME (PLEASE PRINT)</b> Mandie Crozier		<b>PHONE NUMBER</b> 435 646-4825
<b>SIGNATURE</b> N/A		<b>TITLE</b> Regulatory Tech
<b>DATE</b> 11/23/2009		



## The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

### Request for Permit Extension Validation Well Number 43047404140000

**API:** 43047404140000

**Well Name:** SUNDANCE FED F-33-8-18

**Location:** 1792 FNL 0878 FWL QTR SWNW SEC 33 TWNP 080S RNG 180E MER S

**Company Permit Issued to:** NEWFIELD PRODUCTION COMPANY

**Date Original Permit Issued:** 11/24/2008

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? ☐ Yes ☒ No
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? ☐ Yes ☒ No
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? ☐ Yes ☒ No
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? ☐ Yes ☒ No
- Has the approved source of water for drilling changed? ☐ Yes ☒ No
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? ☐ Yes ☒ No
- Is bonding still in place, which covers this proposed well? ☒ Yes ☐ No

**Approved by the  
Utah Division of  
Oil, Gas and Mining**

**Signature:** Mandie Crozier

**Date:** 11/23/2009

**Title:** Regulatory Tech **Representing:** NEWFIELD PRODUCTION COMPANY

**Date:** November 24, 2009

**By:**

**RECEIVED** November 23, 2009

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED  
VERNAL FIELD OFFICE

FORM APPROVED  
OMB No. 1004-0137  
Expires July 31, 2010

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-74872	
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name NA	
2. Name of Operator Newfield Production Company		7. If Unit or CA Agreement, Name and No. <del>Sundance</del> Greater Mon. Butte	
3a. Address Route #3 Box 3630, Myton UT 84052		8. Lease Name and Well No. Sundance Federal F-33-8-18	
3b. Phone No. (include area code) (435) 646-3721		9. API Well No. 43-047-40414	
4. Location of Well (Report location clearly and in accordance with any State requirements.) At surface SW/NW 1792' FNL 878' FWL At proposed prod. zone 1245' FNL 100' FWL <i>NWNW</i>		10. Field and Pool, or Exploratory Monument Butte	
14. Distance in miles and direction from nearest town or post office* Approximately 20.6 miles southeast of Myton, UT		11. Sec., T. R. M. or Blk. and Survey or Area Sec. 33, T8S R18E	
15. Distance from proposed* location to nearest property or lease line, ft. Approx. 100' f/lse, 1245' f/unit (Also to nearest drig. unit line, if any)		12. County or Parish Uintah	
16. No. of acres in lease 637.36		13. State UT	
17. Spacing Unit dedicated to this well 20 Acres		18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1326'	
19. Proposed Depth 6,300'		20. BLM/BIA Bond No. on file WYB000493	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 4967' GL		22. Approximate date work will start* 1st Qtr. 2009	
23. Estimated duration (7) days from SPUD to rig release			

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, must be attached to this form:

- Well plat certified by a registered surveyor.
- A Drilling Plan.
- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification
- Such other site specific information and/or plans as may be required by the BLM.

25. Signature <i>Mandie Crozier</i>	Name (Printed/Typed) Mandie Crozier	Date 11/14/08
Title Regulatory Specialist		
Approved by (Signature) <i>James H. Sparger</i>	Name (Printed/Typed) James H. Sparger	Date NOV 12 2010
Title Acting Assistant Field Manager Lands & Mineral Resources	Office VERNAL FIELD OFFICE	

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

CONDITIONS OF APPROVAL ATTACHED

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 2)

\*(Instructions on page 2)

NOS 9/22/08  
AFMSS# 08SXSD257A

UDOGM

RECEIVED  
NOV 17 2010

DIV. OF OIL, GAS & MINING

NOTICE OF APPROVAL



UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
VERNAL FIELD OFFICE

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



**CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL**

Company:	Newfield Production Company	Location:	SWNW, Sec. 33, T8S, R18E
Well No:	Sundance Federal F-33-8-18	Lease No:	UTU-74872
API No:	43-047-40414	Agreement:	Grater Monument Butte Unit

**OFFICE NUMBER: (435) 781-4400**

**OFFICE FAX NUMBER: (435) 781-3420**

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR  
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

**NOTIFICATION REQUIREMENTS**

Location Construction (Notify Environmental Scientist)	- Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	- Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	- Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to running casing and cementing all casing strings to: <a href="mailto:ut_vn_opreport@blm.gov">ut_vn_opreport@blm.gov</a> .
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	- Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

### **SURFACE USE PROGRAM CONDITIONS OF APPROVAL (COAs)**

- All new and replacement internal combustion gas field engines of less than or equal to 300 design-rated horsepower must not emit more than 2 gms of NO<sub>x</sub> per horsepower-hour. This requirement does not apply to gas field engines of less than or equal to 40 design-rated horsepower.
- All and replacement internal combustion gas field engines of greater than 300 design rated horsepower must not emit more than 1.0 gms of NO<sub>x</sub> per horsepower-hour.
- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.
- A BLM qualified paleontologist will be present to monitor paleontological resources during construction.
- Prior to construction, an invasive plants/noxious weeds inventory will be completed for all areas where surface disturbance will occur, and a completed Weed Inventory Form will be submitted to the BLM Authorized Officer.

#### **Reclamation**

- Reclamation will be completed in accordance with the Newfield Exploration Company Castle Peak and Eight Mile Flat Reclamation Plan on file with the Vernal Field Office of the BLM.

#### **Seed Mix (Interim and Final Reclamation)**

Common name	Latin name	lbs/acre	Recommended seed planting depth
Squirreltail grass	<i>Elymus elymoides</i>	3.0	1/4 - 1/2"
Bluebunch wheatgrass	<i>Pseudoroegneria spicata</i>	3.0	1/2"
Shadscale saltbush	<i>Atriplex confertifolia</i>	3.0	1/2"
Four-wing saltbush	<i>Atriplex canescens</i>	3.0	1/2"
Gardner's saltbush	<i>Atriplex gardneri</i>	2.0	1/2"
Scarlet globemallow	<i>Sphaeralcea coccinea</i>	1.0	1/8 - 1/4"

- All pounds are pure live seed.
- All seed and mulch will be certified weed free.
- Rates are set for drill seeding; double rate if broadcasting.

## **Monitoring and Reporting**

- The operator shall submit a Sundry Notice (Form 3160-5) to the BLM Authorized Officer (AO) that designates the proposed site-specific monitoring and reference sites chosen for the location. A description of the proposed sites shall be included, as well as a map showing the locations of the proposed sites.
- The operator shall submit a Sundry Notice (Form 3160-5) to the BLM Authorized Officer (AO) 3 growing seasons after reclamation efforts have occurred evaluating the status of the reclaimed areas in order to determine whether the BLM standards set forth in the Green River District Reclamation Guidelines have been met (30% or greater basal cover).

**DOWNHOLE PROGRAM  
CONDITIONS OF APPROVAL (COAs)**

**SITE SPECIFIC DOWNHOLE COAs:**

- The operator shall comply with all applicable requirements in the SOP (version: "Greater Monument Butte Green River Development Program", June 24, 2008). The operator shall also comply with applicable laws and regulations; with the lease terms, Onshore Oil and Gas Orders, NTL's; and with other orders and instructions of the authorized officer.

**All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to.** The following items are emphasized:

**DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB



or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT\_VN\_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

## OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
  - Operator name, address, and telephone number.
  - Well name and number.
  - Well location ( $\frac{1}{4}$  Sec., Twn, Rng, and P.M.).
  - Date well was placed in a producing status (date of first production for which royalty will be paid).
  - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - Unit agreement and/or participating area name and number, if applicable.
  - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4.

Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>			
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-74872			
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>			
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)			
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052		<b>8. WELL NAME and NUMBER:</b> SUNDANCE FED F-33-8-18			
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1792 FNL 0878 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWNW Section: 33 Township: 08.0S Range: 18.0E Meridian: S		<b>9. API NUMBER:</b> 43047404140000			
<b>PHONE NUMBER:</b> 435 646-4825 Ext		<b>9. FIELD and POOL or WILDCAT:</b> 8 MILE FLAT NORTH			
<b>COUNTY:</b> UINTAH		<b>STATE:</b> UTAH			
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>					
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>				
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 11/24/2010  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input checked="" type="checkbox"/> APD EXTENSION            OTHER: <span style="border: 1px solid black; display: inline-block; width: 100px; height: 15px; vertical-align: middle;"></span> </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER: <span style="border: 1px solid black; display: inline-block; width: 100px; height: 15px; vertical-align: middle;"></span>
<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER: <span style="border: 1px solid black; display: inline-block; width: 100px; height: 15px; vertical-align: middle;"></span>			
<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b> Newfield proposes to extend the Application for Permit to Drill this well for one year.					
<b>Approved by the          Utah Division of          Oil, Gas and Mining</b>  <b>Date:</b> 11/23/2010 <b>By:</b>					
<b>NAME (PLEASE PRINT)</b> Mandie Crozier		<b>PHONE NUMBER</b> 435 646-4825			
<b>SIGNATURE</b> N/A		<b>TITLE</b> Regulatory Tech			
<b>DATE</b> 11/18/2010					



## The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

### Request for Permit Extension Validation Well Number 43047404140000

**API:** 43047404140000

**Well Name:** SUNDANCE FED F-33-8-18

**Location:** 1792 FNL 0878 FWL QTR SWNW SEC 33 TWNP 080S RNG 180E MER S

**Company Permit Issued to:** NEWFIELD PRODUCTION COMPANY

**Date Original Permit Issued:** 11/24/2008

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? ☐ Yes ☒ No
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? ☐ Yes ☒ No
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? ☐ Yes ☒ No
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? ☐ Yes ☒ No
- Has the approved source of water for drilling changed? ☐ Yes ☒ No
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? ☐ Yes ☒ No
- Is bonding still in place, which covers this proposed well? ☒ Yes ☐ No

**Approved by the  
Utah Division of  
Oil, Gas and Mining**

**Signature:** Mandie Crozier

**Date:** 11/18/2010

**Title:** Regulatory Tech **Representing:** NEWFIELD PRODUCTION COMPANY

**Date:** 11/23/2010

**By:**

**RECEIVED** November 18, 2010

<sup>Spud</sup>  
BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Ross Rig # 29  
Submitted By Don Bastian Phone Number 435-823-  
6012

Well Name/Number Sundance Federal F-33-8-18  
Qtr/Qtr SW/NW Section 33 Township 8S Range 18E  
Lease Serial Number UTU-74872  
API Number 43-047-40414

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time 12/7/10 8:00 AM ☒ PM ☐

Casing – Please report time casing run starts, not cementing times.

- ☒ Surface Casing
- ☐ Intermediate Casing
- ☐ Production Casing
- ☐ Liner
- ☐ Other

Date/Time 12/7/10 2:00 AM ☐ PM ☒

BOPE

- ☐ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

Date/Time \_\_\_\_\_ AM ☐ PM ☐



Remarks Ross Rig #29 Will Spud The Sundance Federal F-33-8-  
18 On 12/7/10 @ 8:00 AM Run 8 5/8" @ 2:00 PM  
12/7/10

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
ENTITY ACTION FORM -FORM 6

OPERATOR: **NEWFIELD PRODUCTION COMPANY**  
ADDRESS: **RT. 3 BOX 3630**  
**MYTON, UT 84052**

OPERATOR ACCT. NO. **N2695**

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	99999	17400 ✓	4301350226	GREATER MB M-34-8-16	SWNE	34	8S	16E	DUCHESNE	12/9/2010	12/15/10
WELL 1 COMMENTS: GRRV BHL = NWSE											
B	99999	17400 ✓	4301350279	GREATER MB S-11-9-16	NWSE	11	9S	16E	DUCHESNE	12/4/2010	12/15/10
GRRV BHL = NWSE											
A	99999	17897	4301350406	UTE TRIBAL 1-28-4-3W	NENE	28	4S	3W	DUCHESNE	11/30/2010	12/15/10
GRRV											
B	99999	17400 ✓	4301334183	FEDERAL 11-30-8-16	NESW	30	8S	16E	DUCHESNE	12/6/2010	12/15/10
GRRV											
B	99999	17400 ✓	4304740414	SUNDANCE F-33-8-18	SWNW	33	8S	18E	UINTAH	12/7/2010	12/15/10
GRRV BHL = NWNW											
B	99999	17400 ✓	34145 4301350024	Fed P-15-9-17 LONE TREE 9-15-9-17	SWSW NESE	15	9S	17E	DUCHESNE	12/3/2010	12/15/10
BHL = NWSW											

ACTION CODES (See instructions on back of form)

- A - new entity for new well (single well only)
- B - well to existing entity (group or unit well)
- C - from one existing entity to another existing entity
- D - well from one existing entity to a new entity
- E - other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

RECEIVED

DEC 13 2010

DIV. OF OIL, GAS & MINING

Signature

Production Clerk

Jentri Park

12/13/10

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**SUBMIT IN TRIPLICATE - Other Instructions on page 2**

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630  
Myton, UT 84052

3b. Phone (include area code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1792 FNL 0878 FWL  
Section 33 T8S R18E

5. Lease Serial No.  
USA UTU-74872

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or  
GMBU

8. Well Name and No.  
SUNDANCE F-33-8-18

9. API Well No.  
4304740414

10. Field and Pool, or Exploratory Area  
GREATER MB UNIT

11. County or Parish, State  
UINTAH, UT

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Spud Notice
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 12/7/10 MIRU Ross #29. Spud well @ 2:00 PM. Drill 305' of 12 1/4" hole with air mist. TIH W/ 7 Jt's 8 5/8" J-55 24# csgn. Set @ 302.3 KB. On 12/9/10 cement with 160 sks of class "G" w/ 2% CaCL2 + 1/4# sk Cello- Flake Mixed @ 15.8 ppg > 1.17 cf/ sk yeild. Returned 5 bbls cement to pit. WOC.

I hereby certify that the foregoing is true and correct (Printed/ Typed)

~~Ryan Crum~~ Adam Ferrari

Signature Adam Ferrari

Title Production Engineer  
~~Drilling Foreman~~

Date 12/10/2010

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by \_\_\_\_\_  
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title \_\_\_\_\_  
Date \_\_\_\_\_  
Office \_\_\_\_\_

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on page 2)

**RECEIVED**  
**JAN 03 2011**

**DIV. OF OIL, GAS & MINING**



# NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

8 5/8" CASING SET AT 302.3

LAST CASING 14 SET AT 5  
 DATUM 12  
 DATUM TO CUT OFF CASING 12  
 DATUM TO BRADENHEAD FLANGE 12  
 TD DRILLER 310 LOGGER \_\_\_\_\_  
 HOLE SIZE 12 1/4"

OPERATOR Newfield Exploration Company  
 WELL SUNDANCE F-33-8-18  
 FIELD/PROSPECT Monument Butte  
 CONTRACTOR & RIG # Ross#29

LOG OF CASING STRING:								
PIECES	OD	ITEM - MAKE - DESCRIPTION		WT / FT	GRD	THREAD	CONDT	LENGTH
1		Wellhead					A	0.95
7	8 5/8"	ST&C Casing (Shoe Joint 43.15')		24	J-55	STC	A	302.3
1		Guide Shoe					A	0.9
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING				304.15
TOTAL LENGTH OF STRING		304.15	7	LESS CUT OFF PIECE				2
LESS NON CSG. ITEMS		1.85		PLUS DATUM TO T/CUT OFF CSG				12
PLUS FULL JTS. LEFT OUT		0		CASING SET DEPTH				314.15
TOTAL		302.3	7	} COMPARE				
TOTAL CSG. DEL. (W/O THRDS)		302.3	7					
TIMING								
BEGIN RUN CSG.	Spud	8:00 AM	12/7/2010	GOOD CIRC THRU JOB				Yes
CSG. IN HOLE		2:00 AM	12/7/2010	Bbls CMT CIRC TO SURFACE				5
BEGIN CIRC		10:15 AM	12/9/2010	RECIPROCATED PIPI				No
BEGIN PUMP CMT		10:24 AM	12/9/2010	BUMPED PLUG TO				
BEGIN DSPL. CMT		10:35 AM	12/9/2010					
PLUG DOWN		10:42 AM	12/9/2010					120

[illegible]

COMPANY REPRESENTATIVE

DATE **12/9/2010**

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

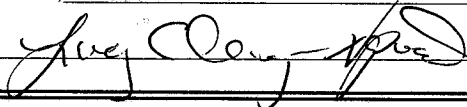
1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NUMBER: USA UTU-74872
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME: GMBU
4. LOCATION OF WELL: FOOTAGES AT SURFACE:		8. WELL NAME and NUMBER: SUNDANCE F-33-8-18
OTR/OTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: , 33, T8S, R18E		9. API NUMBER: 4304740414
		10. FIELD AND POOL, OR WILDCAT: GREATER MB UNIT
		COUNTY: UINTAH
		STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will  	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/STOP) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARITLY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLAIR <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: - Weekly Status Report
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion:  02/16/2011			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above subject well was completed on 02-16-11, attached is a daily completion status report.

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	TITLE Administrative Assistant
SIGNATURE 	DATE 02/16/2011

(This space for State use only)

RECEIVED  
FEB 23 2011  
DIV. OF OIL, GAS & MINING



**Daily Activity Report****Format For Sundry****SUNDANCE F-33-8-18****12/1/2010 To 4/28/2011****1/11/2011 Day: 1****Completion**

Rigless on 1/11/2011 - Run Baker RMP log. - RU Baker Atlas crane & WLT. RIH & run cased hole RPM log. WLTD was 6380'. Logged to 4000'. RD WLT. SIFN. Well ready for CBL.

**Daily Cost: \$0****Cumulative Cost: \$20,300**

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**2/7/2011 Day: 3****Completion**

Rigless on 2/7/2011 - Frac & flow well. - RU The Perforators wireline. Set CBP & perf A1 sds as shown in perforation report. RU BJ Services. Frac A1 sds as shown in stimulation report. Screened out frac w/ 16 bbls remaining in flush. Left approx. 4000# sand in csg. Open well to pit for cleanup. Flow well for 100 min. Recovered 175 bbls. 988 BWTR. - RU The Perforators wireline. Set CBP & perf GB6/GB4 sds as shown in perforation report. RU BJ Services. Frac GB6/GB4 sds as shown in stimulation report. 1747 BWTR. RD BJ Services & The Perforators. Open well to pit for immediate flowback @ approx. 3 bpm. Well flowed for 7 hrs & died. Recovered 850 bbls. SWIFN. 897 BWTR. - RU The Perforators wireline. Set CBP & perf D2 sds as shown in perforation report. RU BJ Services. Frac D2 sds as shown in stimulation report. 1370 BWTR. - RU The Perforators wireline. Set CBP & perf A1 sds as shown in perforation report. RU BJ Services. Frac A1 sds as shown in stimulation report. Screened out frac w/ 16 bbls remaining in flush. Left approx. 4000# sand in csg. Open well to pit for cleanup. Flow well for 100 min. Recovered 175 bbls. 988 BWTR. - RU The Perforators wireline. Set CBP & perf CP2 sds as shown in perforation report. RU BJ Services. Frac CP2 sds as shown in stimulation report. 907 BWTR. - Install 5M frac head. NU 5M Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ --' cement top @ --'. Perforate CP5/CP4 sds as shown in perforation report. 148 BWTR. SWIFN. - RU BJ Services. Frac CP5/CP4 sds as shown in stimulation report. 578 BWTR. - RU The Perforators wireline. Set CBP & perf CP2 sds as shown in perforation report. RU BJ Services. Frac CP2 sds as shown in stimulation report. 907 BWTR. - RU The Perforators wireline. Set CBP & perf D2 sds as shown in perforation report. RU BJ Services. Frac D2 sds as shown in stimulation report. 1370 BWTR. - RU The Perforators wireline. Set CBP & perf GB6/GB4 sds as shown in perforation report. RU BJ Services. Frac GB6/GB4 sds as shown in stimulation report. 1747 BWTR. RD BJ Services & The Perforators. Open well to pit for immediate flowback @ approx. 3 bpm. Well flowed for 7 hrs & died. Recovered 850 bbls. SWIFN. 897 BWTR. - Install 5M frac head. NU 5M Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ --' cement top @ --'. Perforate CP5/CP4 sds as shown in perforation report. 148 BWTR. SWIFN. - RU BJ Services. Frac CP5/CP4 sds as shown in stimulation report. 578 BWTR.

**Daily Cost: \$0****Cumulative Cost: \$120,220**

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**2/10/2011 Day: 4****Completion**

Nabors #823 on 2/10/2011 - MIRU Nabors #823. ND Cameron BOP. NU Schaeffer BOP. RIH w/ tbg. Tag CBP. SWIFN. - MIRU Nabors #823. ND Cameron BOP & 5m frac head. NU 3m production head & Schaeffer BOP. RIH w/ 4 3/4" chomp bit, bit sub & new 2 7/8" tbg. from pipe racks (tallying & drifting). Tag fill @ 4520'. RU pump & lines. Circulate well clean. SWIFN.

860 BWTR.

**Daily Cost:** \$0**Cumulative Cost:** \$173,443

---

**2/11/2011 Day: 5****Completion**

Nabors #823 on 2/11/2011 - DU 3 CBPs. - Csg. @ 200 psi, tbg. @ 75 psi. Bleed off well. RU pump to tbg. Pump 20 bbls water down tbg. Tag fill @ 4520'. RU powerswivel. C/O to CBP @ 4670'. DU CBP in 28 min. Cont. RIH w/ tbg. Tag CBP @ 5180'. DU CBP in 47 min. Cont. RIH w/ tbg. Tag CBP @ 5560'. DU CBP in 45 min. RIH w/ tbg. to 5620'. Circulate well clean. SWIFN.

**Daily Cost:** \$0**Cumulative Cost:** \$177,002

---

**2/12/2011 Day: 6****Completion**

Nabors #823 on 2/12/2011 - DU remaining CBP. C/O to PBTD. Swab for cleanup. - Csg. @ 40 psi, tbg. @ 20 psi. Bleed off well. Cont. RIH w/ tbg. Tag CBP @ 5990'. DU CBP in 45 min. Cont. RIH w/ tbg. Tag fill @ 6330'. C/O to PBTD @ 6402'. Circulate well clean. Pull up to 6307'. RIH w/ swab. SFL @ surface. Made 16 runs. Recovered 141 bbls. Trace of oil. No show of sand. EFL @ 1200'. RD swab. RIH w/ tbg. Tag PBTD @ 6402' (no new fill). Circulate well clean. LD 6 jts 2 7/8" tbg. POOH w/ 30 jts 2 7/8" tbg. EOT @ 5272'. SWIFN. 950 BWTR.

**Daily Cost:** \$0**Cumulative Cost:** \$184,526

---

**2/15/2011 Day: 7****Completion**

Nabors #823 on 2/15/2011 - Round trip tbg. ND BOP. RIH w/ partial rod string. - Csg. @ 200 psi, tbg. @ 200 psi. Bleed off well. Kill well w/ 100 bbls water. Cont. POOH w/ tbg. LD BHA. RIH w/ production string. ND BOP. Set TAC @ 6165' w/ 18,000# tension. NU wellhead. X-over for rods. RIH w/ partial rod string. SWIFN. 975 BWTR.

**Daily Cost:** \$0**Cumulative Cost:** \$190,962

---

**2/16/2011 Day: 8****Completion**

Nabors #823 on 2/16/2011 - Cont. RIH w/ rods. RU pumping unit. Stroke test to 1000 psi. Good pump action. RD. PWOP @ 2:00 p.m. 122" stroke length, 4.5 SPM. 975 BWTR. Final Report. - Cont. RIH w/ rods. Seat pump. Space out well. RU pumping unit. Hang off rods. Stroke test to 1000 psi. Good pump action. RD. PWOP @ 2:00 p.m. 122" stroke length, 4.5 spm. Final Report. 975 BWTR. **Finalized**

**Daily Cost:** \$0**Cumulative Cost:** \$228,183

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**Pertinent Files: Go to File List**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB NO. 1004-0137  
Expires: July 31, 2010

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.  
UTU-748721a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other  
b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resrv.,  
Other: \_\_\_\_\_

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.  
GMBU2. Name of Operator  
NEWFIELD EXPLORATION COMPANY8. Lease Name and Well No.  
SUNDANCE FEDERAL F-33-8-183. Address  
1401 17TH ST. SUITE 1000 DENVER, CO 802023a. Phone No. (include area code)  
(435) 646-37219. AFI Well No.  
43-047-404144. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
At surface 1792' FNL & 878' FWL (SW/NW) SEC. 33, T8S, R18E (UTU-74872)10. Field and Pool or Exploratory  
GREATER MB UNIT11. Sec., T., R., M., on Block and  
Survey or Area SEC. 33, T8S, R18E

At top prod. interval reported below 1379' FNL &amp; 234' FWL (SW/NW) SEC. 33, T8S, R18E (UTU-74872)

12. County or Parish  
UINTAH13. State  
UT

At total depth 1150' FNL &amp; 60' FEL (NE/NE) SEC. 32, T8S, R18E (ML-22058)

14. Date Spudded  
12/07/201015. Date T.D. Reached  
12/31/201016. Date Completed 02/15/2011  
☐ D & A ☒ Ready to Prod.17. Elevations (DF, RKB, RT, GL)\*  
4967' GL 4979' KB18. Total Depth: MD 6460'  
TVD 6339'19. Plug Back T.D.: MD 6402'  
TVD 628220. Depth Bridge Plug Set: MD  
TVD21. Type Electric & Other Mechanical Logs Run (Submit copy of each) *EPM*  
DUAL IND GRD, SP, COMP. DENSITY, COMP. NEUTRON, GR, CALIPER, CMT BOND22. Was well cored? ☒ No ☐ Yes (Submit analysis)  
Was DST run? ☒ No ☐ Yes (Submit report)  
Directional Survey? ☐ No ☒ Yes (Submit copy)

## 23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8" J-55	24#	0	314'		160 CLASS G			
7-7/8"	5-1/2" J-55	15.5#	0	6448'		300 PRIMLITE		302'	
						400 50/50 POZ			

## 24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-7/8"	EOT @ 6261'	TA @ 6163'						

## 25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Green River	4548'	6180'	4548-6180'	.36"	132	
B)						
C)						
D)						

## 27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Depth Interval	Amount and Type of Material
4548-6180'	Frac w/ 129972#s 20/40 sand in 1038 bbls of Lightning 17 fluid in 5 stages

## 28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
02/15/11	02/25/11	24	→	33	0.00	34			2-1/2" x 1-3/4" x 24' RHAC Pump
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→					PRODUCING	

## 28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

\*(See instructions and spaces for additional data on page 2)

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## 28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

## 28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

## 29. Disposition of Gas (Solid, used for fuel, vented, etc.)

USED FOR FUEL

## 30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

## 31. Formation (Log) Markers

## GEOLOGICAL MARKERS

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
GREEN RIVER	4548'	6180'		GARDEN GULCH MRK GARDEN GULCH 1	4065' 4241'
				GARDEN GULCH 2 POINT 3	4354' 4634'
				X MRKR Y MRKR	4850' 4884'
				DOUGALS CREEK MRK BI CARBONATE MRK	5023' 5283'
				B LIMESTON MRK CASTLE PEAK	5415' 5816'
				BASAL CARBONATE	6260'

## 32. Additional remarks (include plugging procedure):

## 33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☐ Electrical/Mechanical Logs (1 full set req'd.)     
 ☐ Geologic Report     
 ☐ DST Report     
 ☒ Directional Survey  
☐ Sundry Notice for plugging and cement verification     
 ☐ Core Analysis     
 ☒ Other: Drilling Daily Activity

## 34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) Lucy Chavez-NaupotoTitle Administrative AssistantSignature Date 02/28/2011

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.





# **NEWFIELD EXPLORATION**

**USGS Myton SW (UT)  
SECTION 33 T8S, R18E  
F-33-8-18**

**Wellbore #1**

**Design: Actual**

## **Standard Survey Report**

**05 January, 2011**

Company: NEWFIELD EXPLORATION  
 Project: USGS Myton SW (UT)  
 Site: SECTION 33 T8S, R18E  
 Well: F-33-8-18  
 Wellbore: Wellbore #1  
 Design: Actual

Local Co-ordinate Reference: Well F-33-8-18  
 TVD Reference: F-33-8-18 @ 4979.0ft (NEWFIELD RIG #1)  
 MD Reference: F-33-8-18 @ 4979.0ft (NEWFIELD RIG #1)  
 North Reference: True  
 Survey Calculation Method: Minimum Curvature  
 Database: EDM 2003.21 Single User Db

Project	USGS Myton SW (UT), DUCHESNE COUNTY, UT, USA		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		

Site	SECTION 33 T8S, R18E		
Site Position:		Northing:	7,200,000.00 ft
From:	Map	Easting:	2,086,000.00 ft
Position Uncertainty:	0.0 ft	Slot Radius:	"
		Latitude:	40° 4' 29.908 N
		Longitude:	109° 54' 27.298 W
		Grid Convergence:	1.02 °

Well	F-33-8-18, SHL LAT: 40 04 36.44, LONG: -109 54 17.26		
Well Position	+N-S	0.0 ft	Northing: 7,200,674.70 ft
	+E-W	0.0 ft	Easting: 2,086,768.38 ft
Position Uncertainty	0.0 ft	Wellhead Elevation:	4,979.0 ft
		Latitude:	40° 4' 36.440 N
		Longitude:	109° 54' 17.260 W
		Ground Level:	4,967.0 ft

Wellbore	Wellbore #1		
Magnetics	Model Name	Sample Date	Declination (°)
	IGRF2010	2010/12/24	11.31
			Dip Angle (°)
			65.86
			Field Strength (nT)
			52,361

Design	Actual		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N-S	+E-W
	(ft)	(ft)	(ft)
	0.0	0.0	0.0
			Direction (°)
			305.14

Survey Program	Date 2011/01/05		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name
412.0	6,460.0	Survey #1 (Wellbore #1)	MWD
			Description
			MWD - Standard

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
412.0	2.10	180.50	411.9	-7.5	-0.1	-4.3	0.51	0.51	0.00
443.0	2.10	180.00	442.9	-8.7	-0.1	-4.9	0.06	0.00	-1.61
474.0	2.40	184.00	473.9	-9.9	-0.1	-5.6	1.09	0.97	12.90
504.0	2.00	189.20	503.8	-11.0	-0.2	-6.2	1.49	-1.33	17.33
535.0	2.10	201.80	534.8	-12.1	-0.5	-6.5	1.49	0.32	40.65
566.0	2.10	205.70	565.8	-13.1	-1.0	-6.7	0.46	0.00	12.58
596.0	2.10	219.00	595.8	-14.1	-1.6	-6.8	1.62	0.00	44.33
627.0	2.10	226.50	626.8	-14.9	-2.4	-6.7	0.89	0.00	24.19
657.0	2.50	238.20	656.7	-15.6	-3.3	-6.3	2.05	1.33	39.00
688.0	2.50	250.10	687.7	-16.2	-4.5	-5.6	1.67	0.00	38.39
718.0	2.70	255.90	717.7	-16.6	-5.8	-4.8	1.10	0.67	19.33
749.0	3.10	259.80	748.6	-16.9	-7.4	-3.7	1.44	1.29	12.58



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 North Reference: True  
 Survey Calculation Method: Minimum Curvature  
 Database: EDM 2003.21 Single User Db

## Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
780.0	3.50	265.80	779.6	-17.1	-9.1	-2.4	1.70	1.29	19.35
810.0	3.60	274.30	809.5	-17.1	-11.0	-0.9	1.78	0.33	28.33
841.0	4.10	284.70	840.5	-16.8	-13.0	1.0	2.76	1.61	33.55
885.0	4.90	292.50	884.3	-15.7	-16.3	4.3	2.29	1.82	17.73
929.0	5.70	295.30	928.1	-14.0	-20.0	8.3	1.91	1.82	6.36
973.0	6.50	297.40	971.9	-11.9	-24.2	12.9	1.89	1.82	4.77
1,017.0	6.80	298.90	1,015.6	-9.5	-28.7	18.0	0.79	0.68	3.41
1,061.0	7.30	302.10	1,059.3	-6.8	-33.3	23.3	1.44	1.14	7.27
1,105.0	7.80	303.00	1,102.9	-3.7	-38.2	29.1	1.17	1.14	2.05
1,149.0	8.40	303.10	1,146.4	-0.3	-43.4	35.3	1.36	1.36	0.23
1,193.0	9.00	304.30	1,189.9	3.4	-48.9	42.0	1.42	1.36	2.73
1,237.0	9.70	305.90	1,233.3	7.5	-54.8	49.1	1.70	1.59	3.64
1,281.0	10.20	306.50	1,276.7	12.0	-60.9	56.7	1.16	1.14	1.36
1,325.0	10.60	306.10	1,320.0	16.7	-67.3	64.6	0.92	0.91	-0.91
1,369.0	11.50	306.30	1,363.1	21.7	-74.1	73.1	2.05	2.05	0.45
1,413.0	12.40	307.60	1,406.2	27.2	-81.4	82.2	2.13	2.05	2.95
1,457.0	13.00	308.10	1,449.1	33.1	-89.0	91.8	1.39	1.36	1.14
1,501.0	13.30	308.70	1,492.0	39.3	-96.9	101.8	0.75	0.68	1.36
1,545.0	13.80	308.90	1,534.7	45.8	-104.9	112.1	1.14	1.14	0.45
1,589.0	14.60	308.90	1,577.4	52.6	-113.3	122.9	1.82	1.82	0.00
1,633.0	14.70	309.30	1,620.0	59.6	-121.9	134.0	0.32	0.23	0.91
1,677.0	15.20	309.70	1,662.5	66.8	-130.7	145.3	1.16	1.14	0.91
1,721.0	15.70	309.40	1,704.9	74.3	-139.7	157.0	1.15	1.14	-0.68
1,765.0	15.60	309.00	1,747.2	81.8	-148.9	168.8	0.33	-0.23	-0.91
1,809.0	15.60	308.60	1,789.6	89.2	-158.1	180.7	0.24	0.00	-0.91
1,853.0	15.50	308.10	1,832.0	96.5	-167.4	192.4	0.38	-0.23	-1.14
1,898.0	15.40	306.60	1,875.4	103.8	-176.9	204.4	0.92	-0.22	-3.33
1,941.0	15.30	305.80	1,916.9	110.5	-186.1	215.8	0.54	-0.23	-1.86
1,985.0	14.70	305.70	1,959.4	117.1	-195.4	227.2	1.36	-1.36	-0.23
2,029.0	14.00	304.60	2,002.0	123.4	-204.3	238.1	1.71	-1.59	-2.50
2,073.0	13.30	303.20	2,044.7	129.2	-212.9	248.5	1.76	-1.59	-3.18
2,117.0	12.80	301.20	2,087.6	134.5	-221.3	258.4	1.53	-1.14	-4.55
2,161.0	12.50	301.10	2,130.5	139.5	-229.5	268.0	0.68	-0.68	-0.23
2,205.0	12.10	300.20	2,173.5	144.3	-237.6	277.3	1.01	-0.91	-2.05
2,249.0	12.00	299.90	2,216.6	148.9	-245.5	286.5	0.27	-0.23	-0.68
2,293.0	11.20	300.50	2,259.7	153.3	-253.2	295.3	1.84	-1.82	1.36
2,337.0	11.50	300.70	2,302.8	157.7	-260.6	303.9	0.69	0.68	0.45
2,381.0	11.20	302.10	2,345.9	162.2	-268.0	312.6	0.93	-0.68	3.18
2,425.0	11.60	303.20	2,389.1	166.9	-275.4	321.3	1.03	0.91	2.50
2,469.0	12.00	303.10	2,432.1	171.9	-282.9	330.3	0.91	0.91	-0.23
2,513.0	12.40	302.00	2,475.1	176.9	-290.7	339.5	1.05	0.91	-2.50
2,557.0	13.36	301.92	2,518.0	182.0	-299.1	349.3	2.18	2.18	-0.18
2,601.0	14.06	302.62	2,560.8	187.6	-307.9	359.7	1.63	1.59	1.59
2,645.0	14.59	301.66	2,603.4	193.4	-317.1	370.6	1.32	1.20	-2.18
2,689.0	14.70	301.10	2,646.0	199.2	-326.6	381.7	0.41	0.25	-1.27
2,733.0	14.60	301.30	2,688.6	205.0	-336.1	392.8	0.25	-0.23	0.45
2,777.0	14.50	302.60	2,731.1	210.8	-345.5	403.9	0.78	-0.23	2.95
2,821.0	14.70	303.60	2,773.7	216.9	-354.8	414.9	0.73	0.45	2.27
2,865.0	14.85	305.79	2,816.3	223.3	-364.0	426.2	1.31	0.34	4.98
2,909.0	15.42	308.91	2,858.7	230.2	-373.1	437.6	2.26	1.30	7.09
2,953.0	15.51	310.18	2,901.2	237.7	-382.2	449.3	0.80	0.20	2.89
2,997.0	15.56	308.69	2,943.5	245.2	-391.3	461.1	0.91	0.11	-3.39
3,041.0	14.11	306.20	2,986.1	252.0	-400.2	472.3	3.60	-3.30	-5.66
3,085.0	12.70	303.40	3,028.9	257.9	-408.6	482.5	3.53	-3.20	-6.36



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## Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
3,129.0	11.60	302.00	3,071.9	262.9	-416.4	491.8	2.59	-2.50	-3.18
3,173.0	10.80	301.80	3,115.1	267.4	-423.6	500.3	1.82	-1.82	-0.45
3,217.0	9.80	303.10	3,158.3	271.6	-430.3	508.2	2.33	-2.27	2.95
3,261.0	10.20	300.60	3,201.7	275.6	-436.7	515.8	1.34	0.91	-5.68
3,305.0	11.30	302.40	3,244.9	279.9	-443.7	524.0	2.61	2.50	4.09
3,349.0	11.90	304.70	3,288.0	284.8	-451.1	532.8	1.72	1.36	5.23
3,393.0	12.70	305.00	3,331.0	290.2	-458.8	542.2	1.82	1.82	0.68
3,437.0	12.10	302.70	3,374.0	295.4	-466.6	551.7	1.77	-1.36	-5.23
3,481.0	12.10	301.10	3,417.0	300.3	-474.5	560.9	0.76	0.00	-3.64
3,525.0	12.20	303.70	3,460.0	305.3	-482.3	570.1	1.26	0.23	5.91
3,569.0	12.00	306.00	3,503.0	310.6	-489.9	579.3	1.19	-0.45	5.23
3,613.0	12.40	307.00	3,546.0	316.1	-497.3	588.6	1.03	0.91	2.27
3,657.0	12.50	305.80	3,589.0	321.7	-505.0	598.1	0.63	0.23	-2.73
3,701.0	11.70	303.20	3,632.0	326.9	-512.6	607.3	2.20	-1.82	-5.91
3,745.0	11.70	301.70	3,675.1	331.7	-520.1	616.2	0.69	0.00	-3.41
3,789.0	11.90	302.10	3,718.2	336.5	-527.7	625.2	0.49	0.45	0.91
3,833.0	12.00	301.70	3,761.2	341.3	-535.5	634.3	0.30	0.23	-0.91
3,877.0	12.30	300.80	3,804.2	346.1	-543.4	643.6	0.81	0.68	-2.05
3,921.0	12.80	300.40	3,847.2	351.0	-551.6	653.1	1.15	1.14	-0.91
3,965.0	13.00	300.80	3,890.1	356.0	-560.1	662.9	0.50	0.45	0.91
4,009.0	12.70	302.40	3,933.0	361.1	-568.4	672.6	1.06	-0.68	3.64
4,053.0	12.10	303.60	3,975.9	366.2	-576.3	682.1	1.48	-1.36	2.73
4,098.0	12.00	304.50	4,020.0	371.5	-584.1	691.5	0.47	-0.22	2.00
4,141.0	11.60	304.50	4,062.0	376.5	-591.4	700.3	0.93	-0.93	0.00
4,185.0	11.40	304.10	4,105.2	381.4	-598.6	709.0	0.49	-0.45	-0.91
4,229.0	11.30	303.20	4,148.3	386.2	-605.8	717.7	0.46	-0.23	-2.05
4,273.0	11.70	302.90	4,191.4	391.0	-613.2	726.5	0.92	0.91	-0.68
4,317.0	12.30	303.70	4,234.5	396.0	-620.8	735.6	1.42	1.36	1.82
4,361.0	12.30	306.20	4,277.4	401.4	-628.5	745.0	1.21	0.00	5.68
4,405.0	12.50	306.50	4,320.4	407.0	-636.1	754.4	0.48	0.45	0.68
4,449.0	12.30	306.90	4,363.4	412.6	-643.7	763.9	0.49	-0.45	0.91
4,493.0	12.40	306.80	4,406.4	418.3	-651.2	773.3	0.23	0.23	-0.23
4,537.0	12.30	306.80	4,449.4	423.9	-658.7	782.7	0.23	-0.23	0.00
4,581.0	12.20	306.10	4,492.4	429.5	-666.3	792.0	0.41	-0.23	-1.59
4,625.0	12.40	307.80	4,535.3	435.1	-673.7	801.4	0.94	0.45	3.86
4,669.0	12.30	308.00	4,578.3	440.9	-681.2	810.8	0.25	-0.23	0.45
4,713.0	11.40	309.80	4,621.4	446.6	-688.2	819.8	2.21	-2.05	4.09
4,757.0	11.60	310.30	4,664.5	452.2	-694.9	828.5	0.51	0.45	1.14
4,801.0	11.60	312.30	4,707.6	458.0	-701.6	837.3	0.91	0.00	4.55
4,845.0	11.00	314.00	4,750.8	463.9	-707.9	845.9	1.56	-1.36	3.86
4,889.0	10.70	313.90	4,794.0	469.7	-713.8	854.1	0.68	-0.68	-0.23
4,933.0	10.70	313.70	4,837.2	475.3	-719.7	862.1	0.08	0.00	-0.45
4,977.0	10.40	312.00	4,880.5	480.8	-725.6	870.1	0.98	-0.68	-3.86
5,021.0	10.70	310.60	4,923.7	486.1	-731.7	878.1	0.90	0.68	-3.18
5,065.0	11.20	311.10	4,966.9	491.6	-738.0	886.4	1.16	1.14	1.14
5,109.0	11.20	311.50	5,010.1	497.2	-744.4	894.9	0.18	0.00	0.91
5,153.0	11.10	311.30	5,053.2	502.9	-750.8	903.4	0.24	-0.23	-0.45
5,197.0	10.50	310.50	5,096.5	508.3	-757.0	911.6	1.41	-1.36	-1.82
5,241.0	10.20	308.00	5,139.8	513.3	-763.1	919.5	1.23	-0.68	-5.68
5,285.0	9.10	303.10	5,183.1	517.6	-769.1	926.9	3.12	-2.50	-11.14
5,329.0	8.50	302.90	5,226.6	521.2	-774.8	933.6	1.37	-1.36	-0.45
5,373.0	8.90	301.00	5,270.1	524.7	-780.4	940.2	1.12	0.91	-4.32
5,403.9	8.48	301.76	5,300.7	527.2	-784.4	944.9	1.41	-1.36	2.45

F-33-8-18 TGT



Company: NEWFIELD EXPLORATION  
 Project: USGS Myton SW (UT)  
 Site: SECTION 33 T8S, R18E  
 Well: F-33-8-18  
 Wellbore: Wellbore #1  
 Design: Actual

Local Co-ordinate Reference: Well F-33-8-18  
 TVD Reference: F-33-8-18 @ 4979.0ft (NEWFIELD RIG #1)  
 MD Reference: F-33-8-18 @ 4979.0ft (NEWFIELD RIG #1)  
 North Reference: True  
 Survey Calculation Method: Minimum Curvature  
 Database: EDM 2003.21 Single User Db

## Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,417.0	8.30	302.10	5,313.6	528.2	-786.0	946.8	1.41	-1.36	2.62
5,461.0	8.20	305.70	5,357.2	531.7	-791.3	953.1	1.20	-0.23	8.18
5,505.0	8.30	308.30	5,400.7	535.5	-796.3	959.4	0.88	0.23	5.91
5,549.0	8.00	308.20	5,444.3	539.4	-801.2	965.6	0.68	-0.68	-0.23
5,593.0	8.30	304.70	5,487.8	543.1	-806.2	971.9	1.32	0.68	-7.95
5,637.0	8.30	303.10	5,531.3	546.6	-811.5	978.2	0.52	0.00	-3.64
5,681.0	9.40	298.20	5,574.8	550.0	-817.3	985.0	3.03	2.50	-11.14
5,725.0	10.20	298.90	5,618.2	553.6	-823.9	992.4	1.84	1.82	1.59
5,769.0	10.30	298.50	5,661.5	557.4	-830.8	1,000.2	0.28	0.23	-0.91
5,813.0	10.30	296.80	5,704.8	561.0	-837.7	1,008.0	0.69	0.00	-3.86
5,857.0	10.50	298.70	5,748.0	564.7	-844.8	1,015.9	0.90	0.45	4.32
5,901.0	11.10	301.70	5,791.3	568.9	-851.9	1,024.1	1.87	1.36	6.82
5,946.0	11.50	305.20	5,835.4	573.7	-859.2	1,032.9	1.76	0.89	7.78
5,990.0	11.90	308.29	5,878.5	579.1	-866.4	1,041.8	1.69	0.91	7.02
6,034.0	11.65	308.30	5,921.6	584.7	-873.4	1,050.8	0.57	-0.57	0.02
6,078.0	11.50	309.20	5,964.7	590.2	-880.3	1,059.6	0.53	-0.34	2.05
6,122.0	11.60	306.90	6,007.8	595.6	-887.2	1,068.4	1.07	0.23	-5.23
6,166.0	11.20	307.90	6,050.9	600.9	-894.2	1,077.1	1.01	-0.91	2.27
6,210.0	11.20	310.30	6,094.1	606.3	-900.8	1,085.6	1.06	0.00	5.45
6,254.0	12.10	312.90	6,137.2	612.2	-907.4	1,094.4	2.37	2.05	5.91
6,298.0	12.30	313.90	6,180.2	618.6	-914.2	1,103.6	0.66	0.45	2.27
6,342.0	12.50	314.10	6,223.1	625.1	-921.0	1,112.9	0.46	0.45	0.45
6,398.0	11.50	313.00	6,277.9	633.2	-929.4	1,124.5	1.83	-1.79	-1.96
6,460.0	11.50	313.00	6,338.7	641.6	-938.5	1,136.7	0.00	0.00	0.00

## Wellbore Targets

## Target Name

- hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- Shape									
F-33-8-18 TGT	0.00	0.00	5,300.0	547.1	-777.3	7,201,207.85	2,085,981.45	40° 4' 41.847 N	109° 54' 27.260 W
- actual wellpath misses by 21.2ft at 5403.9ft MD (5300.7 TVD, 527.2 N, -784.4 E)									
- Circle (radius 75.0)									

Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_





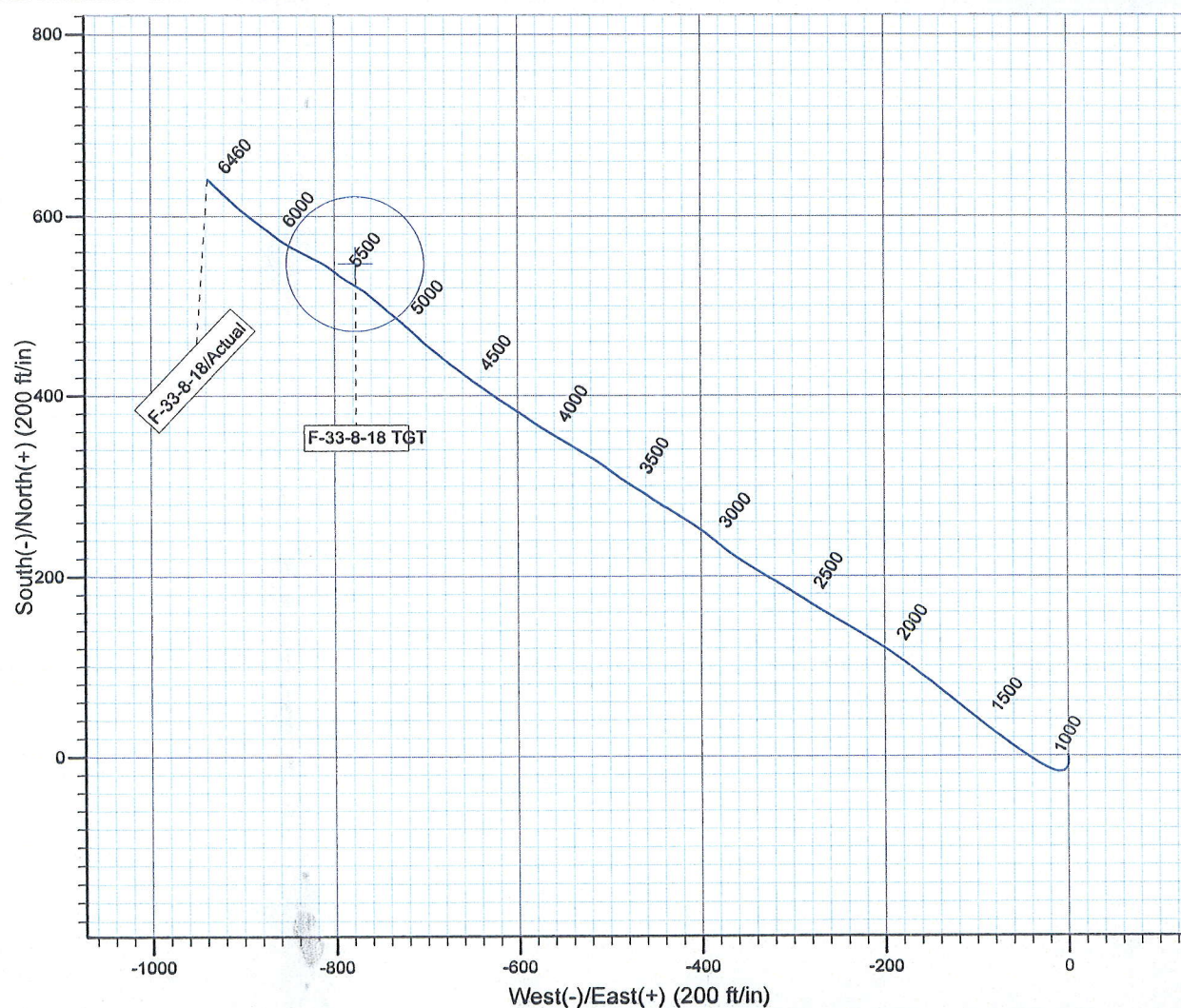
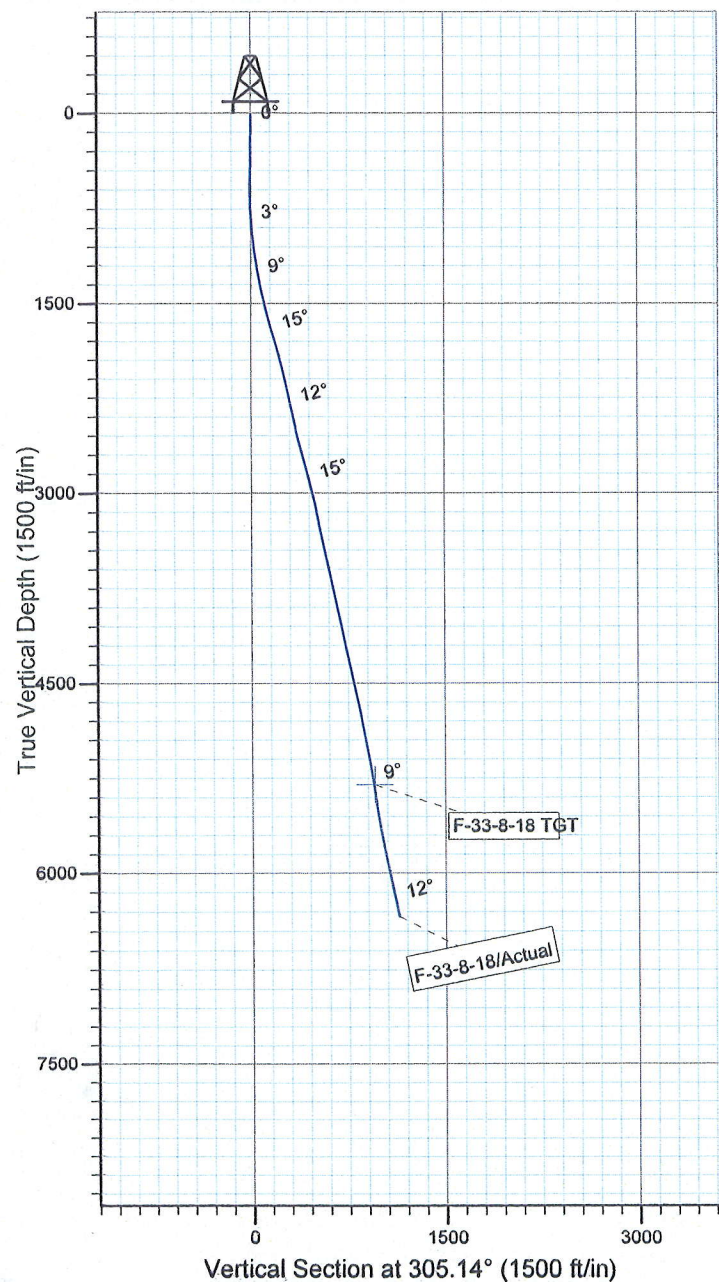
Project: USGS Myton SW (UT)  
 Site: SECTION 33 T8S, R18E  
 Well: F-33-8-18  
 Wellbore: Wellbore #1  
 SURVEY: Actual

FINAL SURVEY REPORT



Azimuths to True North  
 Magnetic North: 11.31°

Magnetic Field  
 Strength: 52361.3snT  
 Dip Angle: 65.86°  
 Date: 2010/12/24  
 Model: IGRF2010



Design: Actual (F-33-8-18/Wellbore #1)



Created By: *Jim Hudson* Date: 12:10, January 05 2011  
 THIS SURVEY IS CORRECT TO THE BEST OF MY  
 KNOWLEDGE AND IS SUPPORTED BY ACTUAL FIELD DATA.

**Daily Activity Report****Format For Sundry****SUNDANCE F-33-8-18****10/1/2010 To 2/28/2011****SUNDANCE F-33-8-18****Waiting on Cement****Date:** 12/10/2010

Ross #29 at 310. Days Since Spud - mist. TIH W/ 7 Jt's 8 5/8" J-55 24# csgn. Set @ 302.3'. On 12/9/10 cement with 160 sks - of class "G" w/ 2% CaCL2 + 0.25#/sk Cello- Flake Mixed @ 15.8ppg w/ 1.17ft3/sk yield. - Returned 5 barrels cement to pit. WOC. - On 12/7/10 MIRU Ross #29. Spud well @ 2:00 PM. Drill 310' of 12 1/4" hole with air

**Daily Cost:** \$0**Cumulative Cost:** \$48,424

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**SUNDANCE F-33-8-18****Drill 7 7/8" hole with fresh water****Date:** 12/28/2010

NDSI SS #1 at 2135. 1 Days Since Spud - Move rig to the F-33-8-18 W/ Liddells trucking on 12/27/10 - Accept rig @ 1:00 PM 12/27/10 Held safety mtg & Test bops W B&C Quick Test, Test upper kelly - to 2000#s for 10 min & casing to 1500#s for 30 min - PU BHA PDC bit MM XO NMDC GS Idex NMDC XO & TIH Tag @ 250 - Drill f/ 250' to 2135' WOB= 20K RPMS= 144 GPM= 400 Ft pr hr = 145' - cock floor valve pipe rams inside valve & choke valves inside/outside valves on choke & blind rams

**Daily Cost:** \$0**Cumulative Cost:** \$118,836

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**SUNDANCE F-33-8-18****Drill 7 7/8" hole with fresh water****Date:** 12/29/2010

NDSI SS #1 at 4700. 2 Days Since Spud - Rig service function test pipe rams - flowing 3 GPM - Drill 7 7/8" hole F/ 2135' - 2880' w/20 WOB - 365 GPM - 165 RPM - 115 ROP - Drill 7 7/8" hole F/ 2880' - 4700' w/20 WOB - 365 GPM - 165 RPM - 100 ROP

**Daily Cost:** \$0**Cumulative Cost:** \$141,136

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**SUNDANCE F-33-8-18****Drill 7 7/8" hole with fresh water****Date:** 12/30/2010

NDSI SS #1 at 6184. 3 Days Since Spud - Drill 7 7/8" hole F/ 4687' to 5215' w/ 20K WOB,TRPM-170,GPM-375,Avg ROP-75 ft/hr - NO H2S reported in last 24 hours, Well flowing 4gal/min - Drill 7 7/8" hole F/ 5215' to 6184' w/ 20K WOB,TRPM-170,GPM-375,Avg ROP-59 ft/hr - Rig Service

**Daily Cost:** \$0**Cumulative Cost:** \$155,291

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**SUNDANCE F-33-8-18****Running casing****Date:** 12/31/2010

NDSI SS #1 at 6460. 4 Days Since Spud - run 152 jts of 5.5" J-55,15.5#LTC casing set @ 6448.35', top of float-6401.98, top of flag-4116.41' - Lay down drill pipe and BHA, (BHA was tight and had troubles breaking apart) - Circulate and condition hole for lay down - Lay down drill pipe to 4000 feet - Wait on brine - pump 260 bbls of 9.9 lb brine water to kill 5gpm flow - Drill 7 7/8" hole from 6184' to 6460' w/ 20k WOB,TRPM-170,GPM-375,Avg ROP-61 ft/hr - change rams to 5.5 casing rams

**Daily Cost:** \$0

**Cumulative Cost:** \$303,837

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**SUNDANCE F-33-8-18**

**Wait on Completion**

**Date:** 1/1/2011

NDSI SS #1 at 6460. 5 Days Since Spud - Cement w/300 sks of lead (PL II+.05#SF+3% KCL+.5#CF+2#kol seal) @11ppg and 3.53 yield and 400 sks of - tail (50:50:2+.05#SF+3% KCL+.25#CF+.5%EC-1) @14.4ppg and 1.24 yield , displace w/ 152.4 bbls of fresh - returned 33 bbls to pit, bump plug to 2355 psi, BLM and State were notified of TD via email - Nipple down and set slips w/90,000# tension - Clean mud tanks Release rig @ 1430 on 12-31-10 - Circulate and rig up BJ , hold safety meeting with BJ - finish run casing wash landing jt.

**Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$336,093

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**Pertinent Files:** [Go to File List](#)